

**1. Assignment:** Install Virtualbox/VMware Workstation with different flavours of linux or windows OS on windows.

## Download and Install VirtualBox

To download the VirtualBox, follow the instructions below.

**Step 1:** To download the latest version of VirtualBox, visit the official [VirtualBox](https://www.virtualbox.org/) website in your web browser.

**Step 2:** Now, download the VirtualBox from here.



**Step 3:** Navigate the folder where you have downloaded your VirtualBox and double-click on the downloaded "VirtualBox" file to run it.

**Step 4:** "Oracle VM VirtualBox 6.1.6 Setup" window will appear on the screen and click on the "Next" button to proceed.

**Step 5:** Choose the location where you want to install the VirtualBox and click on the "Next" button to proceed.

**Step 6:** Choose the options as per your choice and click on the "Next" button.

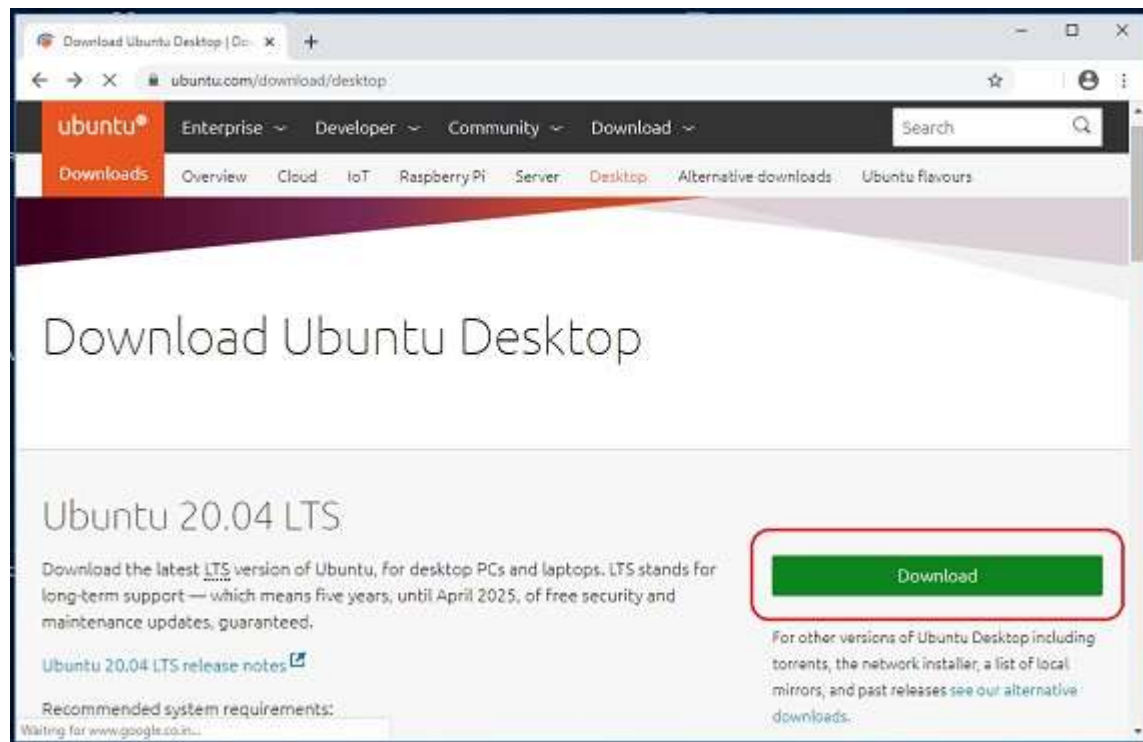
**Step 7:** Click on the Yes button and then the "Install" button.

## Download Ubuntu

Follow the instructions below to download the Ubuntu ISO file.

**Step 1:** To download the latest version of Ubuntu, i.e., Ubuntu, visit the official [Ubuntu](https://ubuntu.com/) website in your web browser.

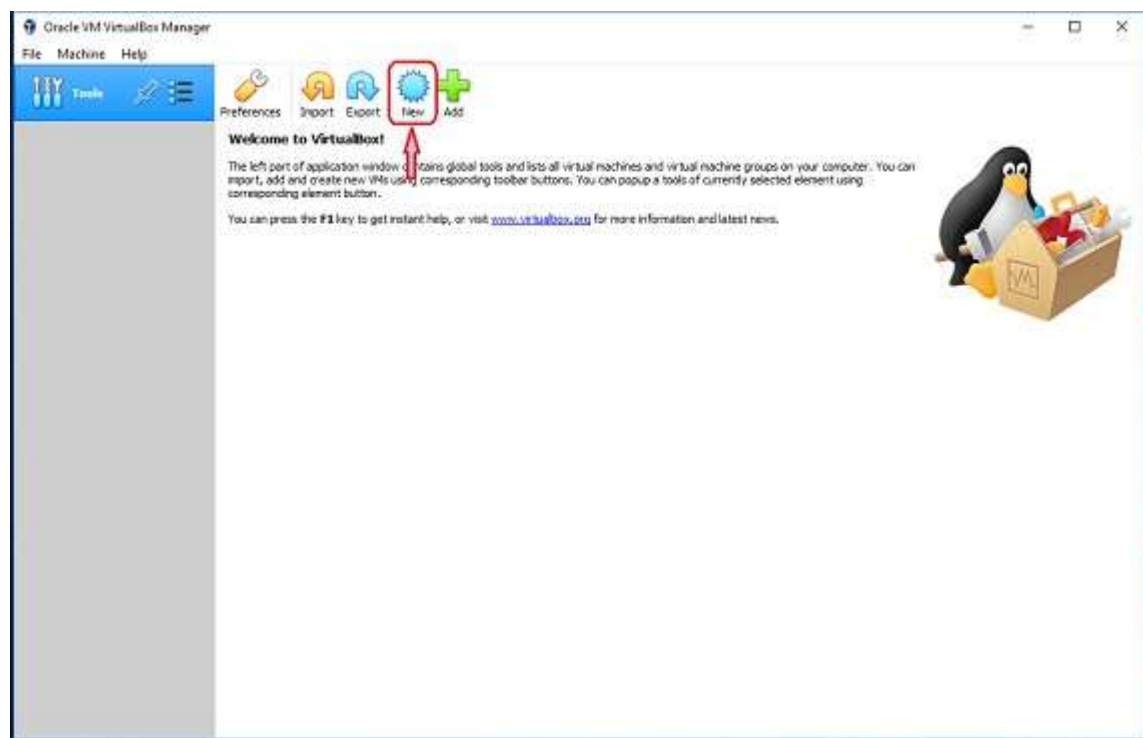
**Step 2:** By clicking on the "Download" button, you can download the latest version of Ubuntu, i.e., Ubuntu 20.04 LTS (long term support).



## Creating a Virtual Machine

Now, it is time to create a Virtual Machine. Follow the instructions below to proceed.

**Step 1:** Open VirtualBox and click on the "New" button.



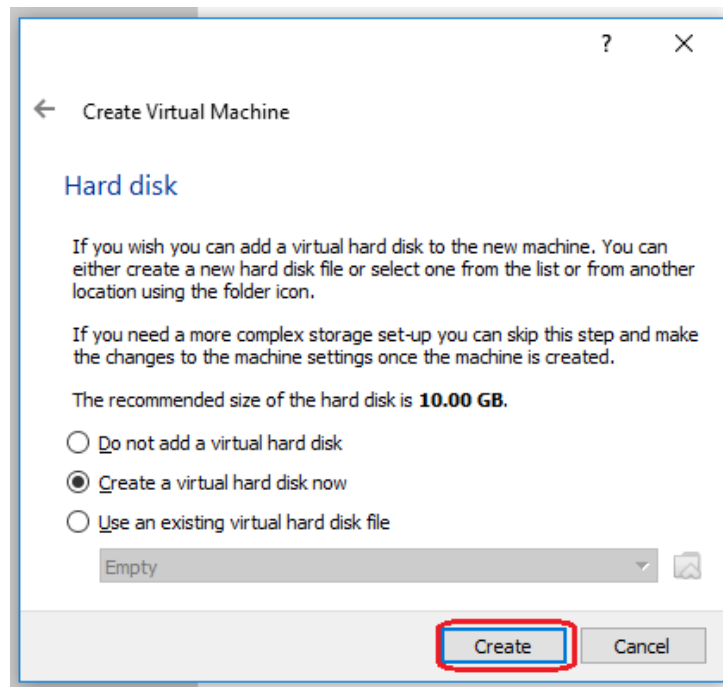
**Step 2:** Choose a name for your virtual machine with its location. Based on the name you entered, VirtualBox will try to predict the "Type" and "Version". Otherwise, from the drop-down menu, select "Linux" as the type and "Ubuntu" as the version and click on the "Next" button.

The screenshot shows the 'Create Virtual Machine' dialog box with the 'Name and operating system' tab selected. The dialog has a title bar with a question mark and a close button. Below the title bar is a back arrow and the text 'Create Virtual Machine'. The main heading is 'Name and operating system'. Below this is a paragraph: 'Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.' There are four input fields: 'Name' with the value 'Ubuntu\_Time', 'Machine Folder' with the value 'C:\Users\win10\VirtualBox VMs', 'Type' with the value 'Linux', and 'Version' with the value 'Ubuntu\_64'. A red rectangle highlights these four fields. At the bottom right, there are three buttons: 'Expert Mode', 'Next', and 'Cancel'. The 'Next' button is highlighted with a red rectangle.

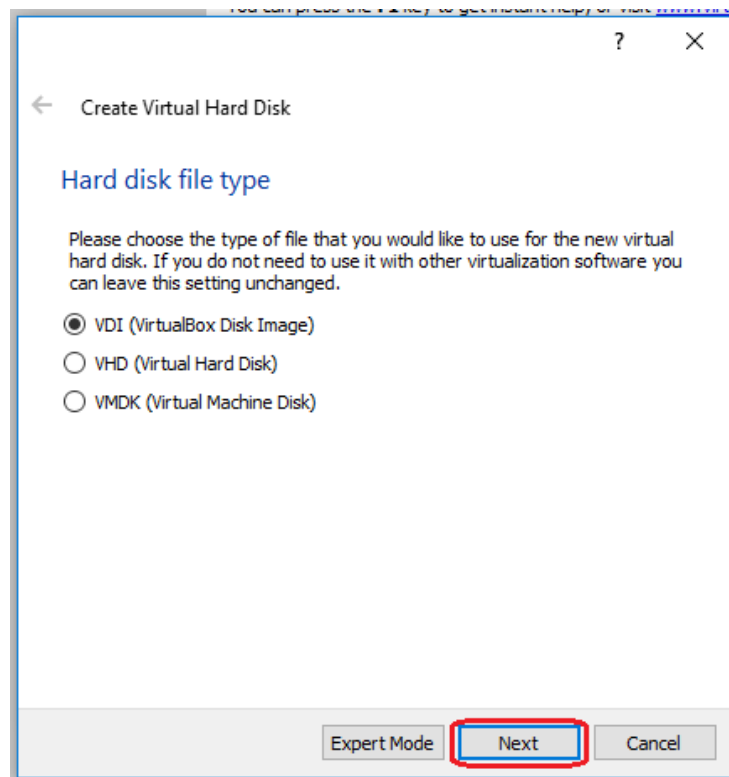
**Step 3:** With the help of the slider, choose the amount of memory (RAM) to be allocated to the virtual machine. (The recommended memory size is 1024 MB (1 GB). Please note that this memory will only be used while using a virtual machine).

The screenshot shows the 'Create Virtual Machine' dialog box with the 'Memory size' tab selected. The dialog has a title bar with a question mark and a close button. Below the title bar is a back arrow and the text 'Create Virtual Machine'. The main heading is 'Memory size'. Below this is a paragraph: 'Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.' There is a text box that says 'The recommended memory size is 1024 MB.' Below this is a slider bar with a blue handle. The slider has a green section on the left and a red section on the right. The values '4 MB' and '12288 MB' are shown at the ends of the slider. A red rectangle highlights the text box and the slider. At the bottom right, there are two buttons: 'Next' and 'Cancel'. The 'Next' button is highlighted with a red rectangle.

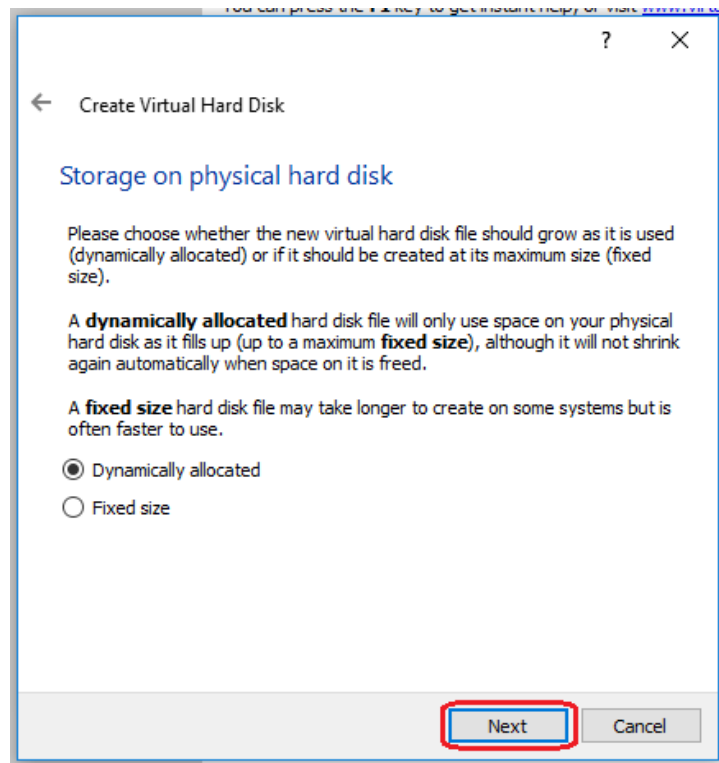
**Step 4:** Select "Create a virtual hard disk now" option and click on the "Create" button to proceed.



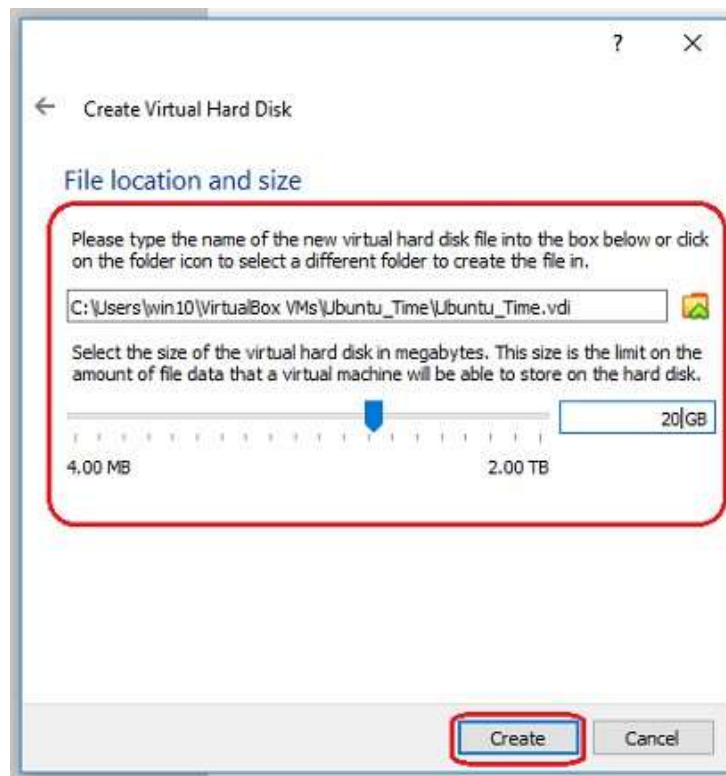
**Step 5:** Choose the "VDI (VirtualBox Disk Image)" option and click "Next".



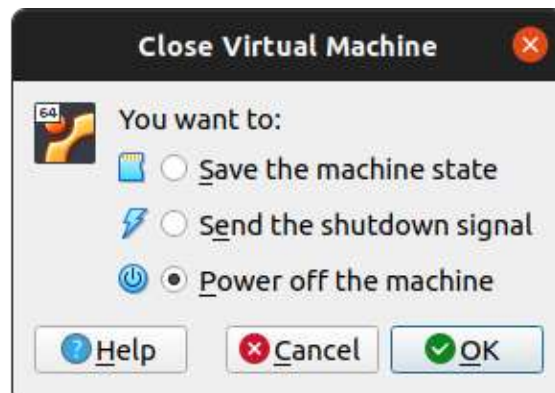
**Step 6:** Again, click on the "Next" button.



**Step 7:** Select the amount of space for your virtual machine and click the "Create" button. (This will be used for your operating system which is going to be installed, so give as much space as possible).



**Step 8:** When you click on the "Close" button of your virtual machine window (at the top right of the window, just like you would close any other window on your system), VirtualBox asks you whether you want to "save" or "power off" the VM. (As a shortcut, you can also press the Host key together with "Q".)



## Assignment No. 2: Installation and Configuration of Just cloud.

### Step1: Download the Installation

Visit the “[JustCloud website](https://justcloud.com)” and locate the download section.



Choose the appropriate version for your operating system (Windows, macOS, etc.) and download the installer.

### Step2: Run the Installer

Double-click the downloaded file to start the installation process .Click on “Install” and follow the on-screen instructions. Accept the terms and choose where to install the app if prompted.





On Windows, you might need to grant permission for the installer to make changes to your system.

### Step3: Complete Installation

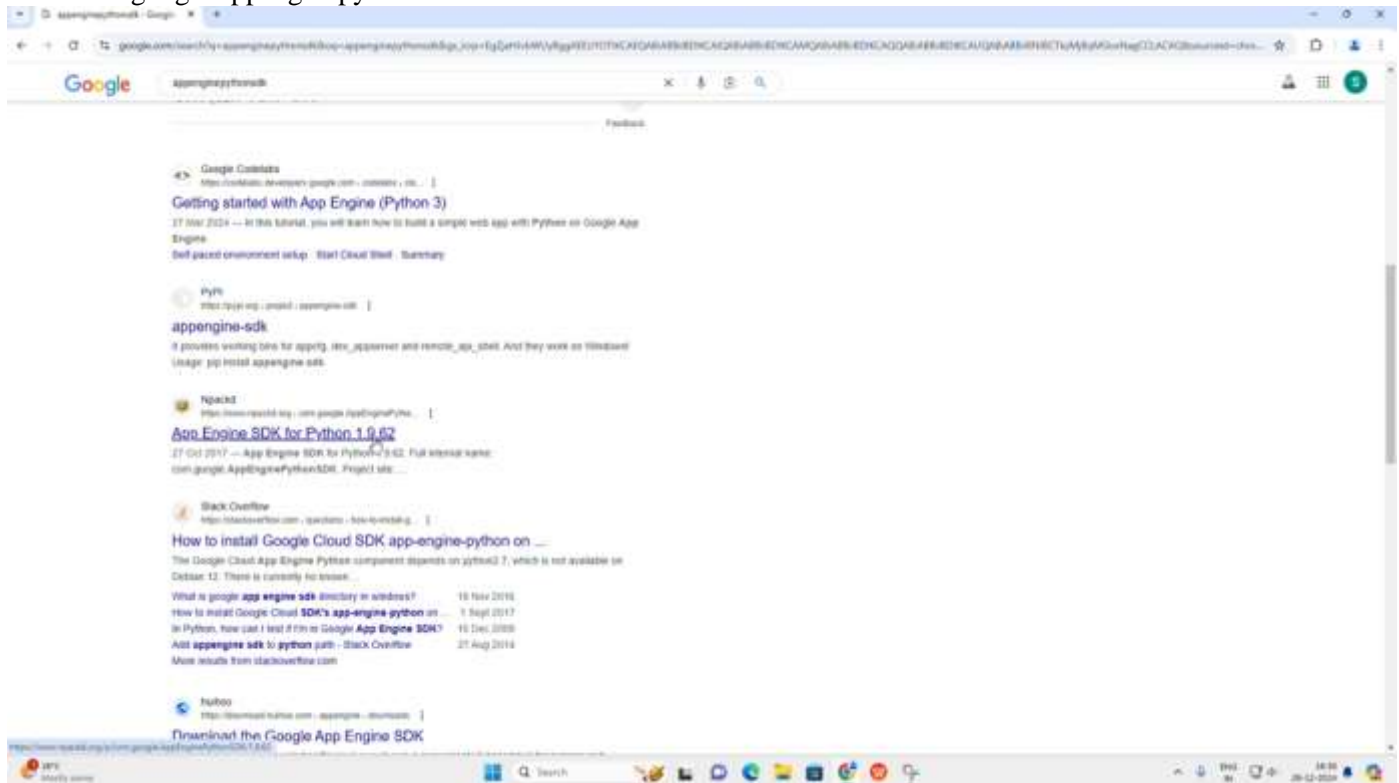
Once the installation is complete, the JustCloud application should start automatically.



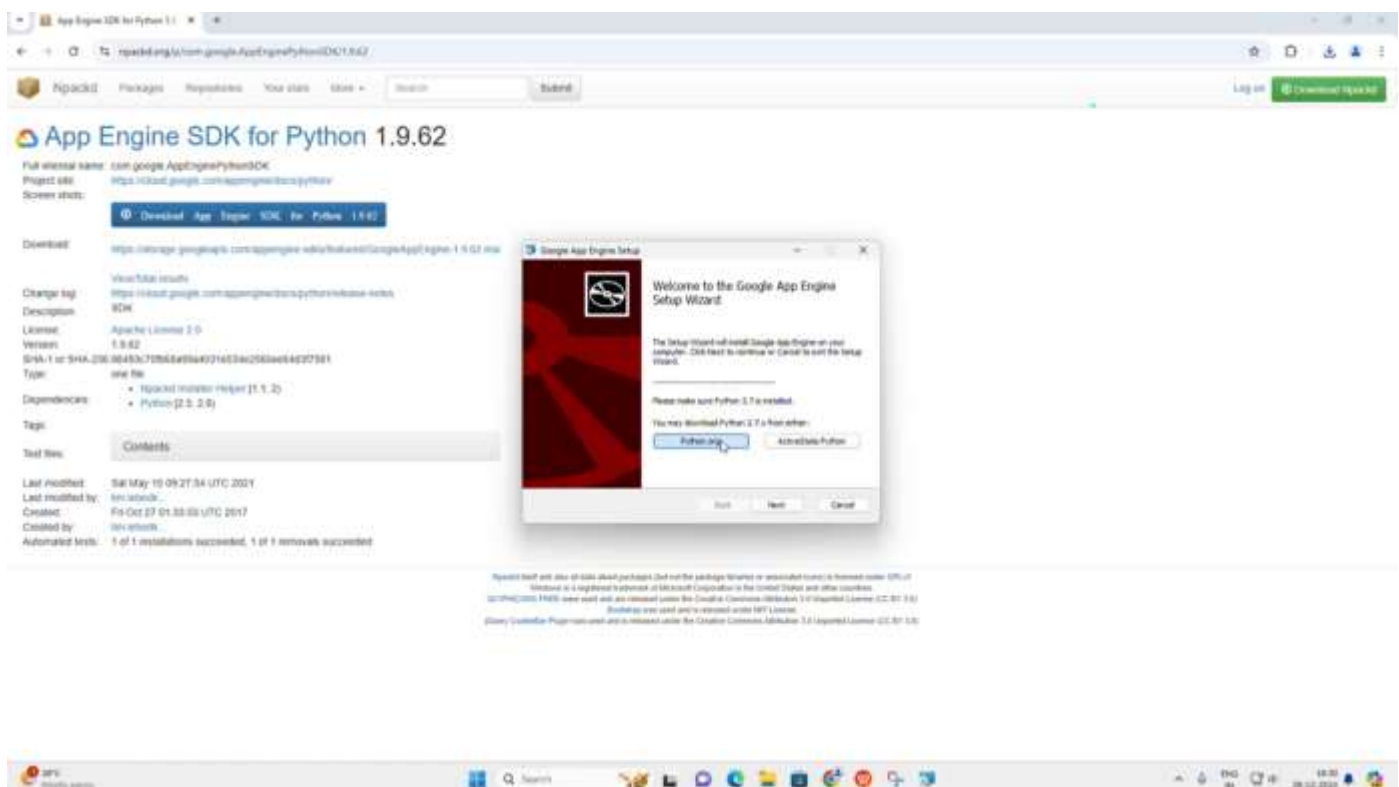


### 3. Assignment Install Google App Engine. Create hello world app and other simple web applications using python

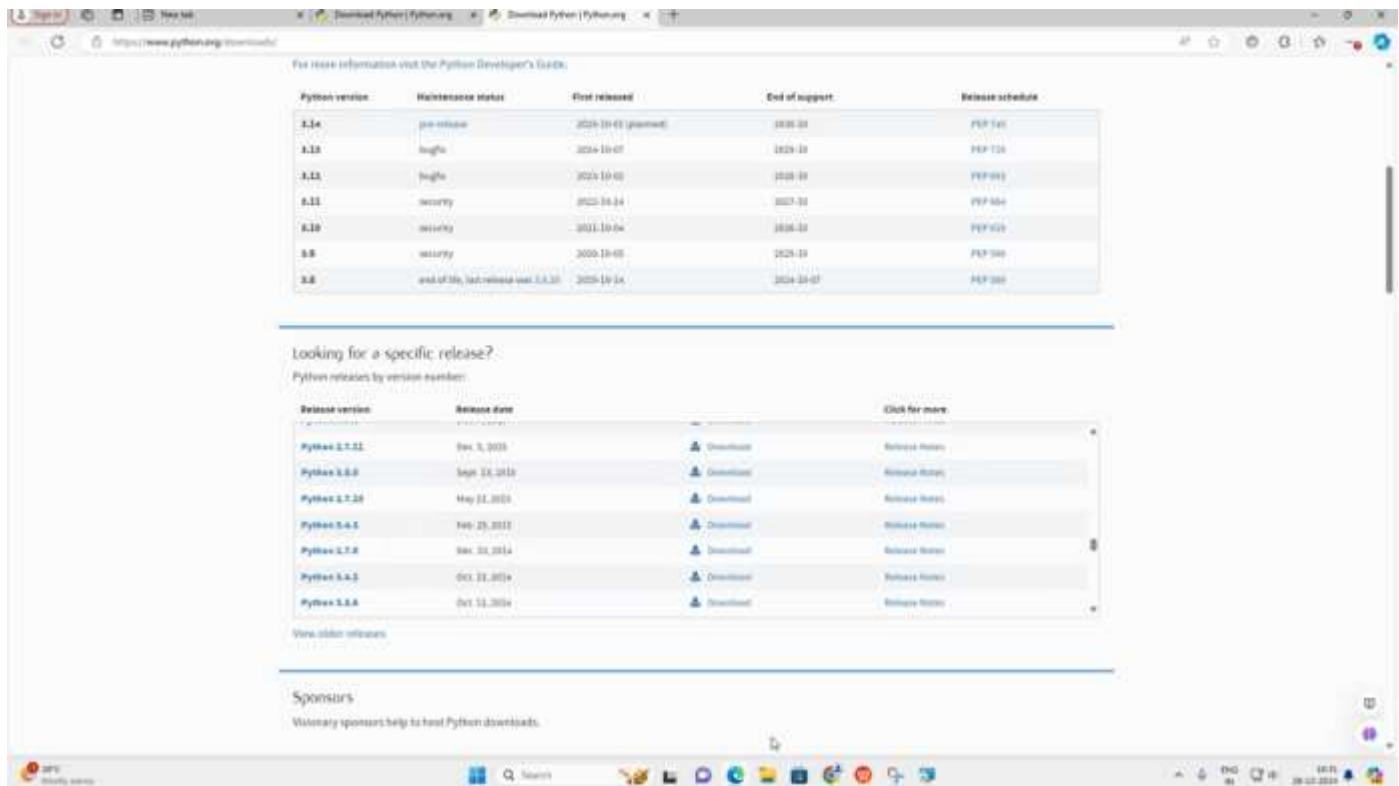
Search on google appenginepythonSDK the download the 1.9.62 version



Download the google app engine then download python click on python.org



Download the python click on 2.7.9 version



For more information visit the Python Developer's Guide.

Python version	Maintenance status	First released	End of support	Release schedule
3.14	pre-release	2024-10-01 (planned)	2026-10-01	PEP 740
3.13	high	2024-10-07	2026-10-01	PEP 724
3.12	high	2023-10-02	2026-10-01	PEP 693
3.11	security	2022-10-14	2027-10-01	PEP 684
3.10	security	2021-10-04	2026-10-01	PEP 629
3.9	security	2020-10-05	2025-10-01	PEP 569
3.8	end of life, last release was 3.8.10	2019-10-14	2024-10-07	PEP 585

Looking for a specific release?

Python releases by version number:

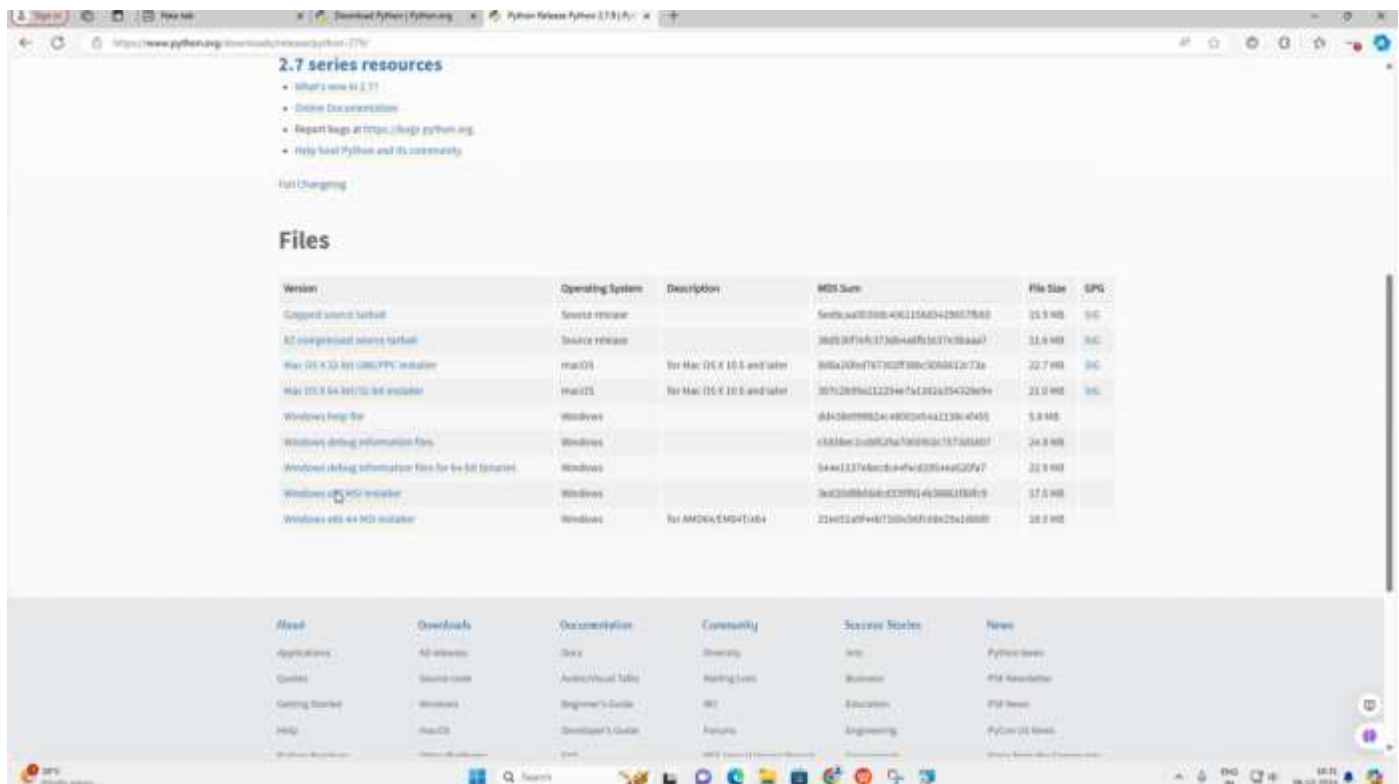
Release version	Release date	Download	Click for more
Python 2.7.22	Dec. 9, 2020	Download	Release Notes
Python 3.8.0	Sept. 22, 2019	Download	Release Notes
Python 2.7.20	May 21, 2020	Download	Release Notes
Python 3.6.1	Feb. 25, 2017	Download	Release Notes
Python 2.7.8	Dec. 21, 2014	Download	Release Notes
Python 3.4.2	Oct. 22, 2014	Download	Release Notes
Python 3.3.6	Oct. 11, 2014	Download	Release Notes

View older releases

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Download the x86 MSI installer



2.7 series resources

- What's new in 2.7
- Online Documentation
- Report bugs at <https://bugs.python.org>
- Help fund Python and its community

Full Changelog

Files

Version	Operating System	Description	MD5 Sum	File Size	SPG
Latest source tarball	Source Release		5efbca40350b40c215a63429c77b43	25.3 MB	SG
2.7.22 source tarball	Source Release		38b53d74b173b04a8b1a37c7b3a4a7	21.4 MB	SG
Mac OS X 32-bit OSG/PPC installer	macOS	for Mac OS X 10.5 and later	9b8a20b1767702f38b3080612c73a	22.7 MB	SG
Mac OS X 64-bit OSG/PPC installer	macOS	for Mac OS X 10.6 and later	3b7c2b7b12294e75d120a254329b94	22.0 MB	SG
Windows help file	Windows		d8428f99924c4800c0b4a223b44545	5.8 MB	
Windows debug information files	Windows		c33b6c2a0b3c4a7a0b0a1a737a0a0f	24.9 MB	
Windows debug information files for 64-bit binaries	Windows		544c1237a0b0a4a7a0b0a1a737a0a0f	22.9 MB	
Windows x86 MSI installer	Windows		3a020b0a4a7a0b0a1a737a0a0f	17.0 MB	
Windows x86_64 MSI installer	Windows	for AMD64/EM64T/x64	221b02a0f4a73b0a3b0a1a737a0a0f	18.2 MB	

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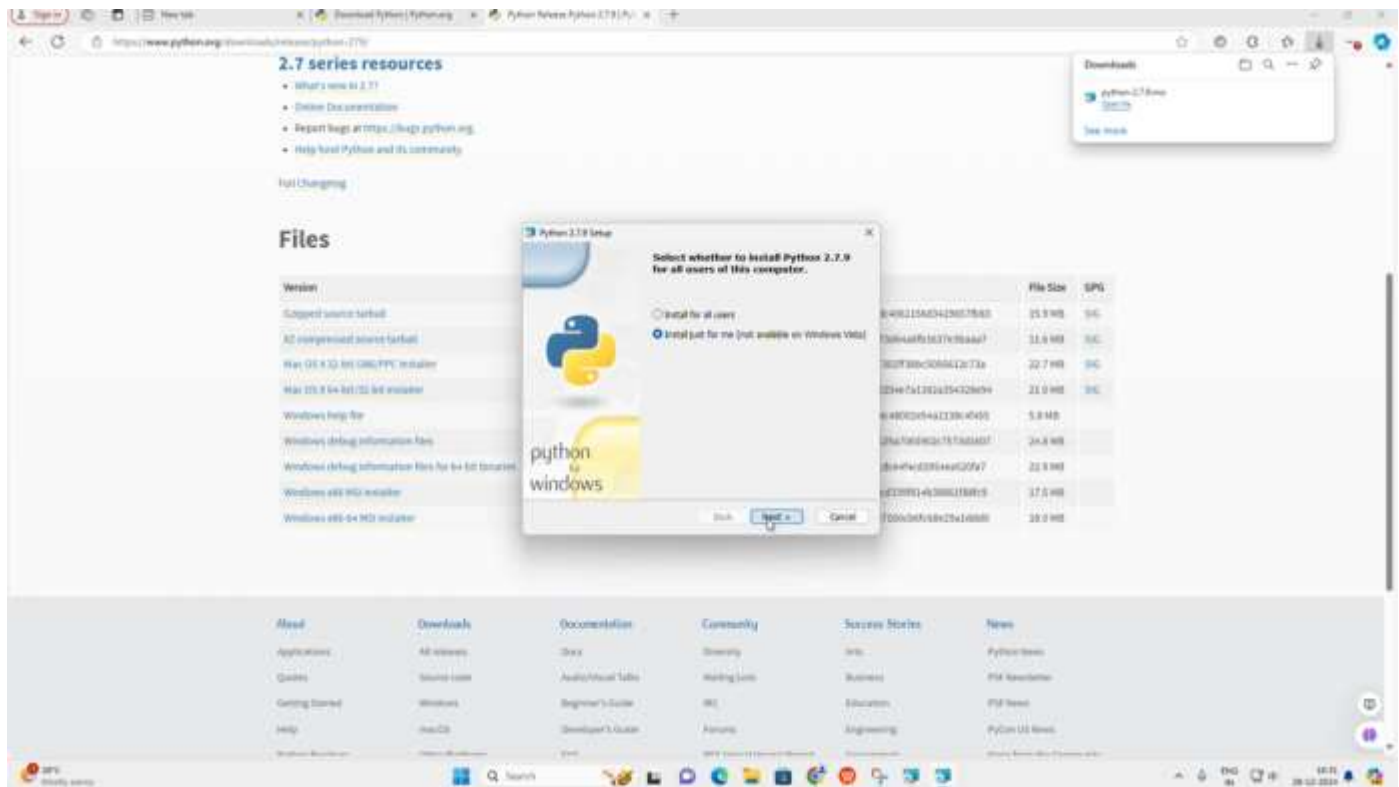
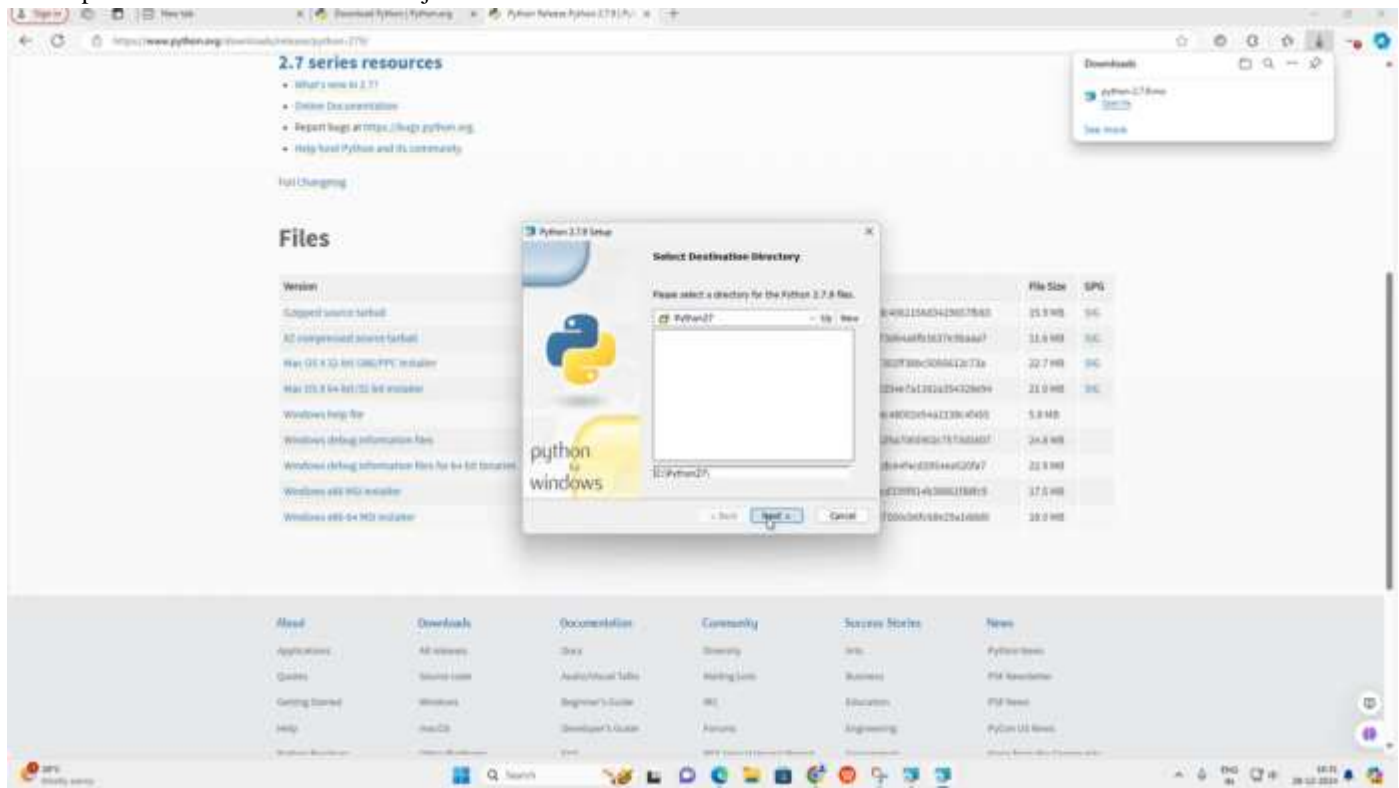
Applications All releases Docs Diversity Python News

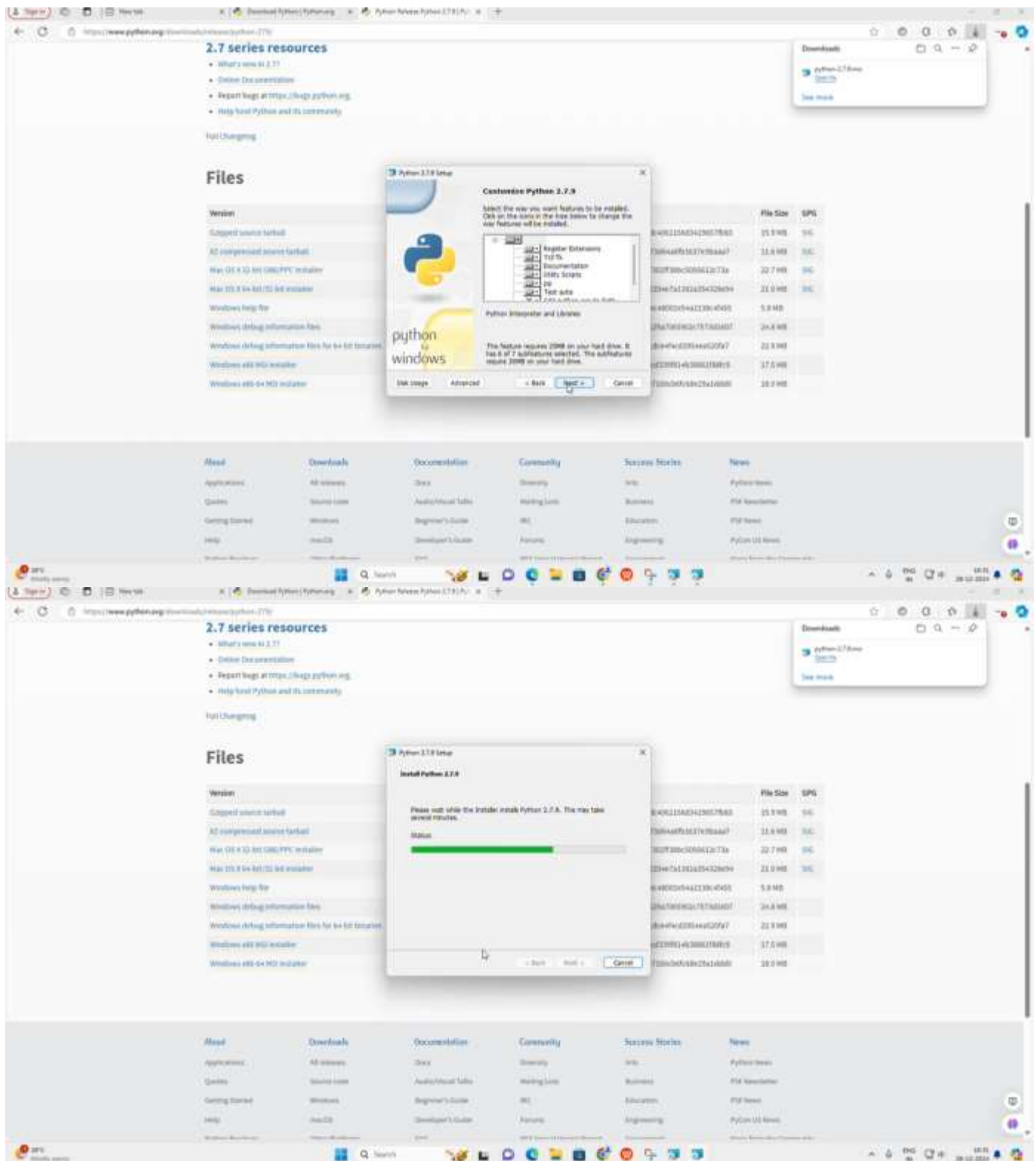
Guides Source code Audio/Visual Tools Working Tools Business PPA Newsletter

Getting Started Windows Beginner's Guide WIT Education PEP News

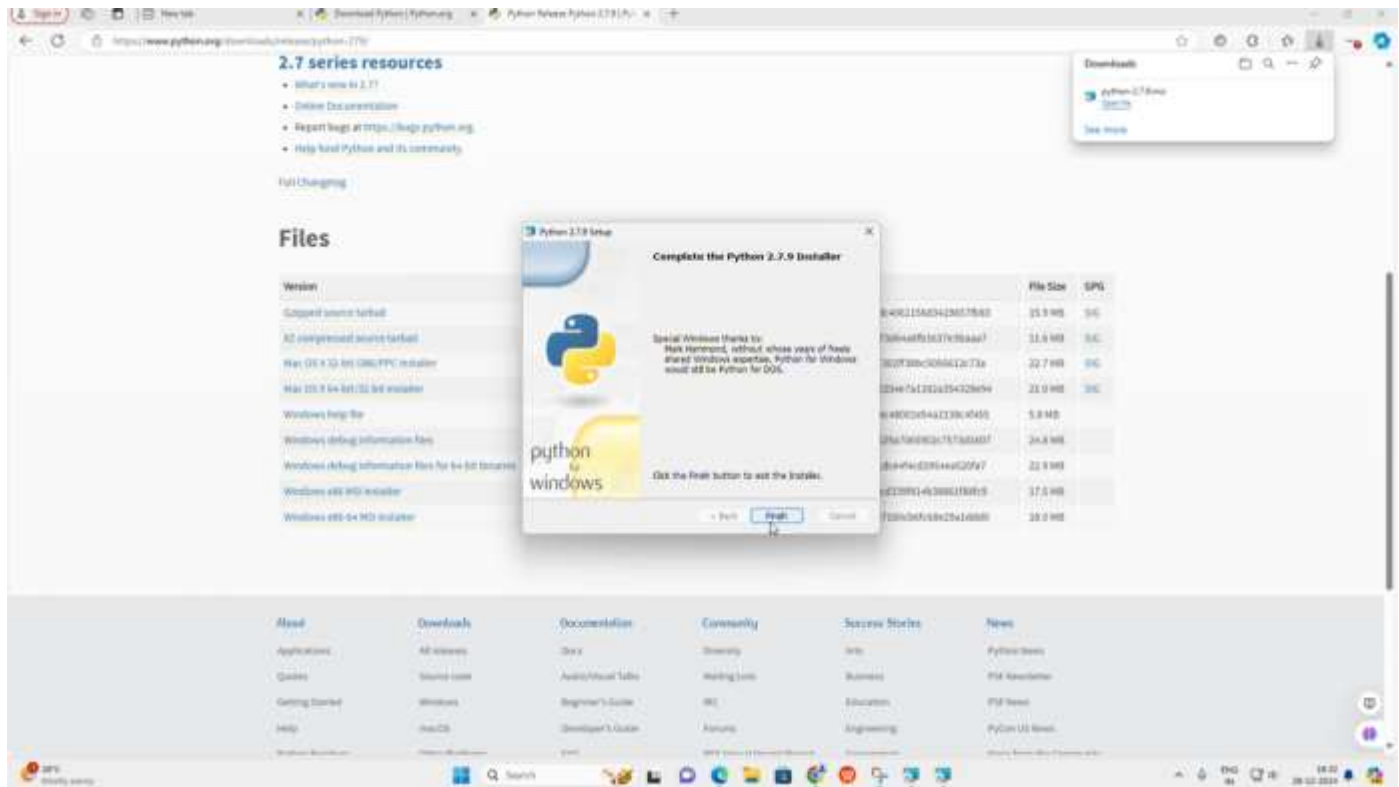
Help macOS Developer's Guide Forums Engineering PyCon US News

Then open the file and click on install just for methen click on next-> next

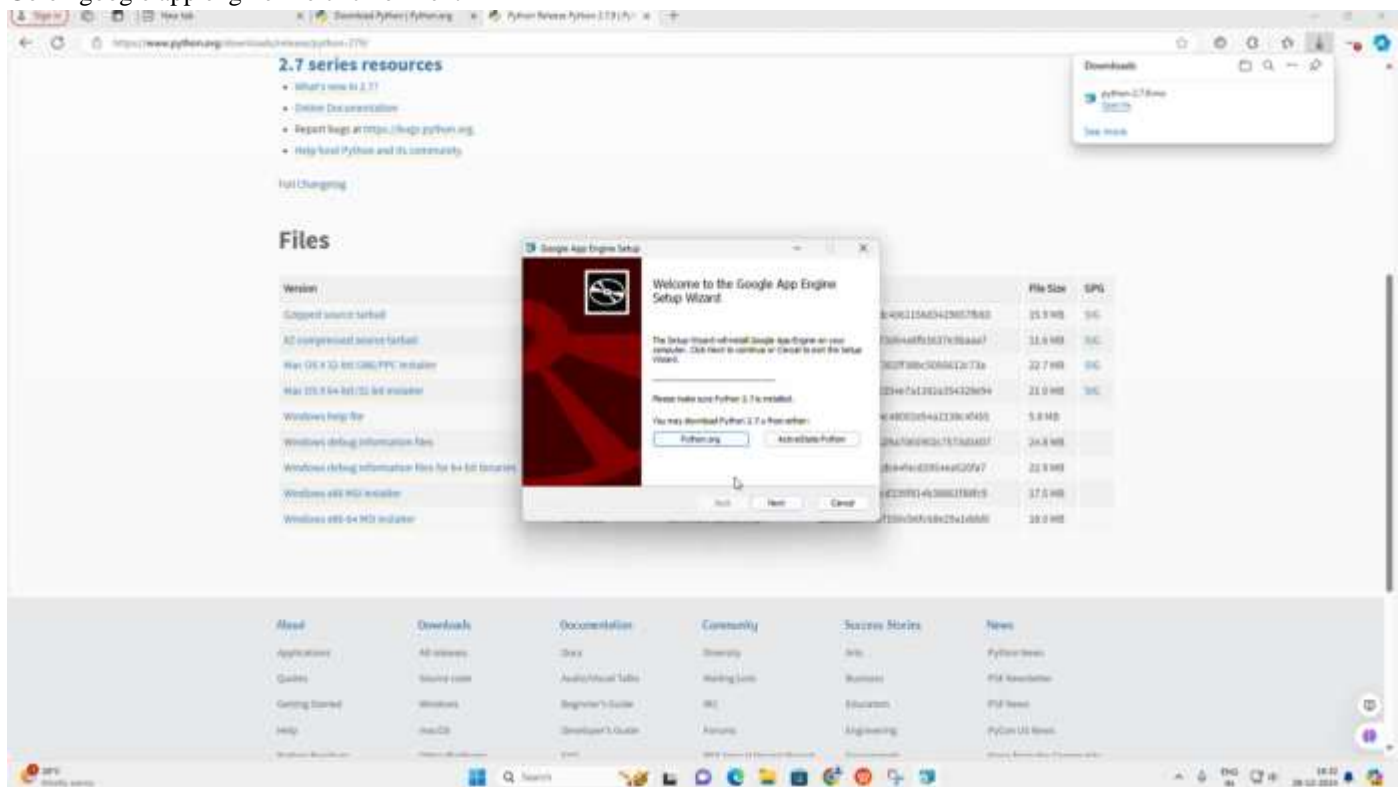




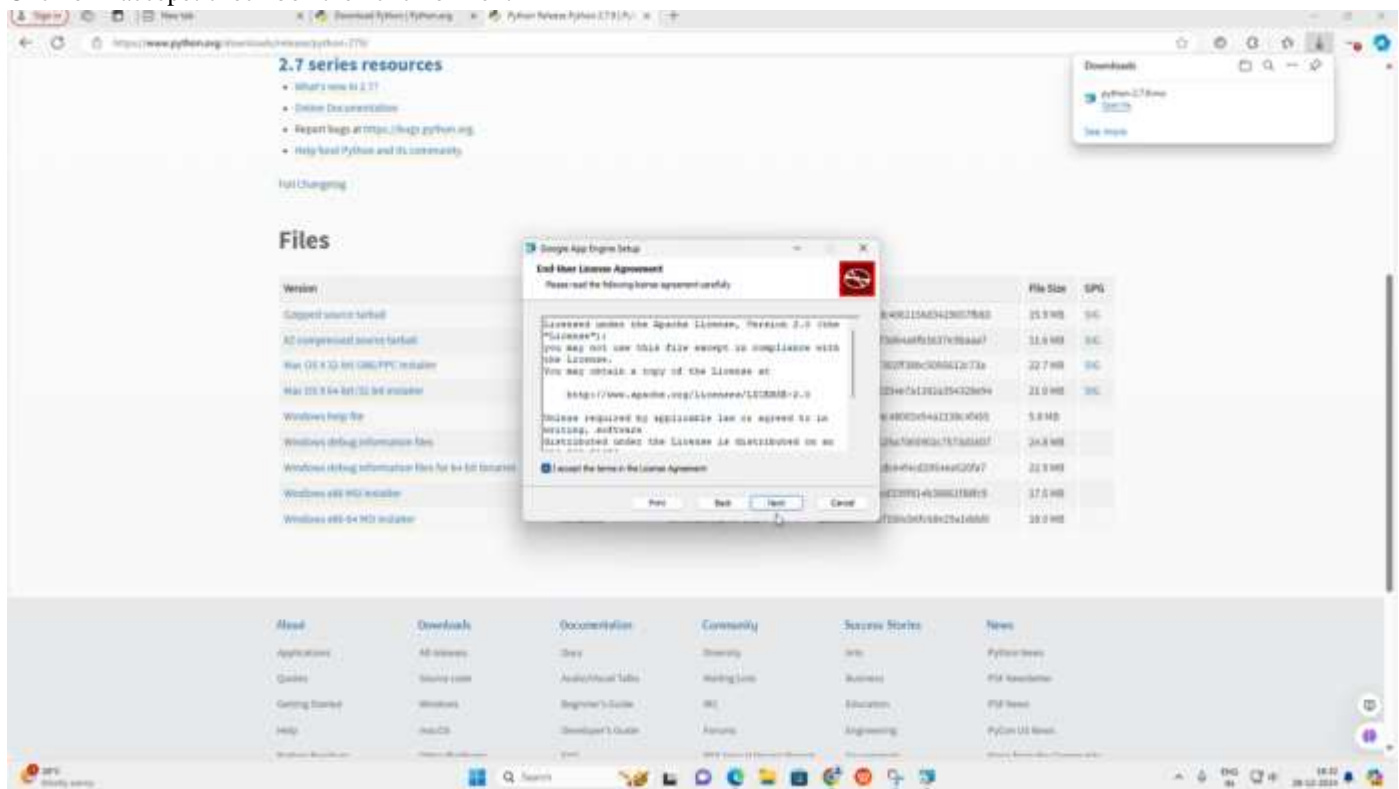
Click on finish



Go on google app engine file click on next

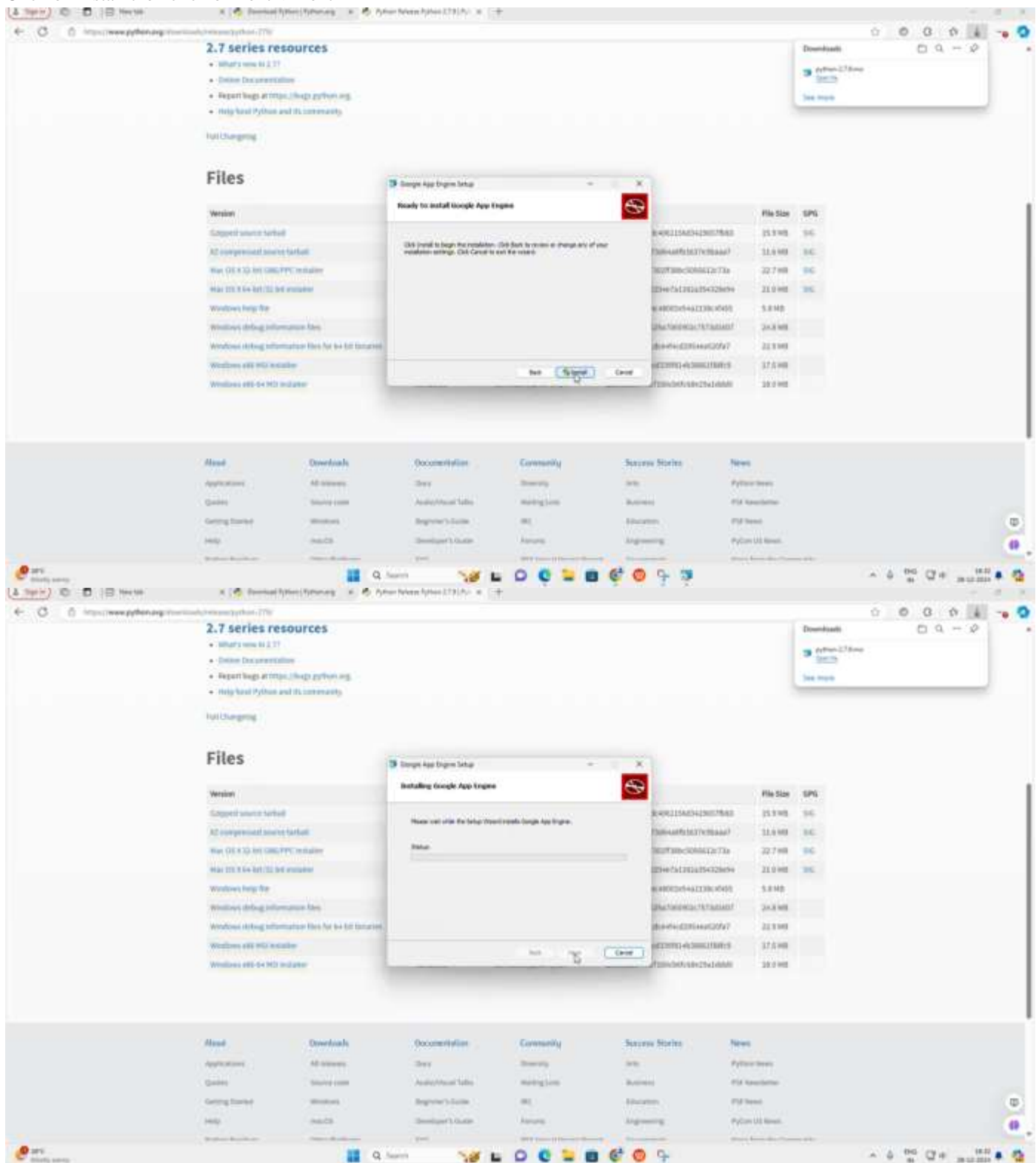


Click on I accept check box then click on next

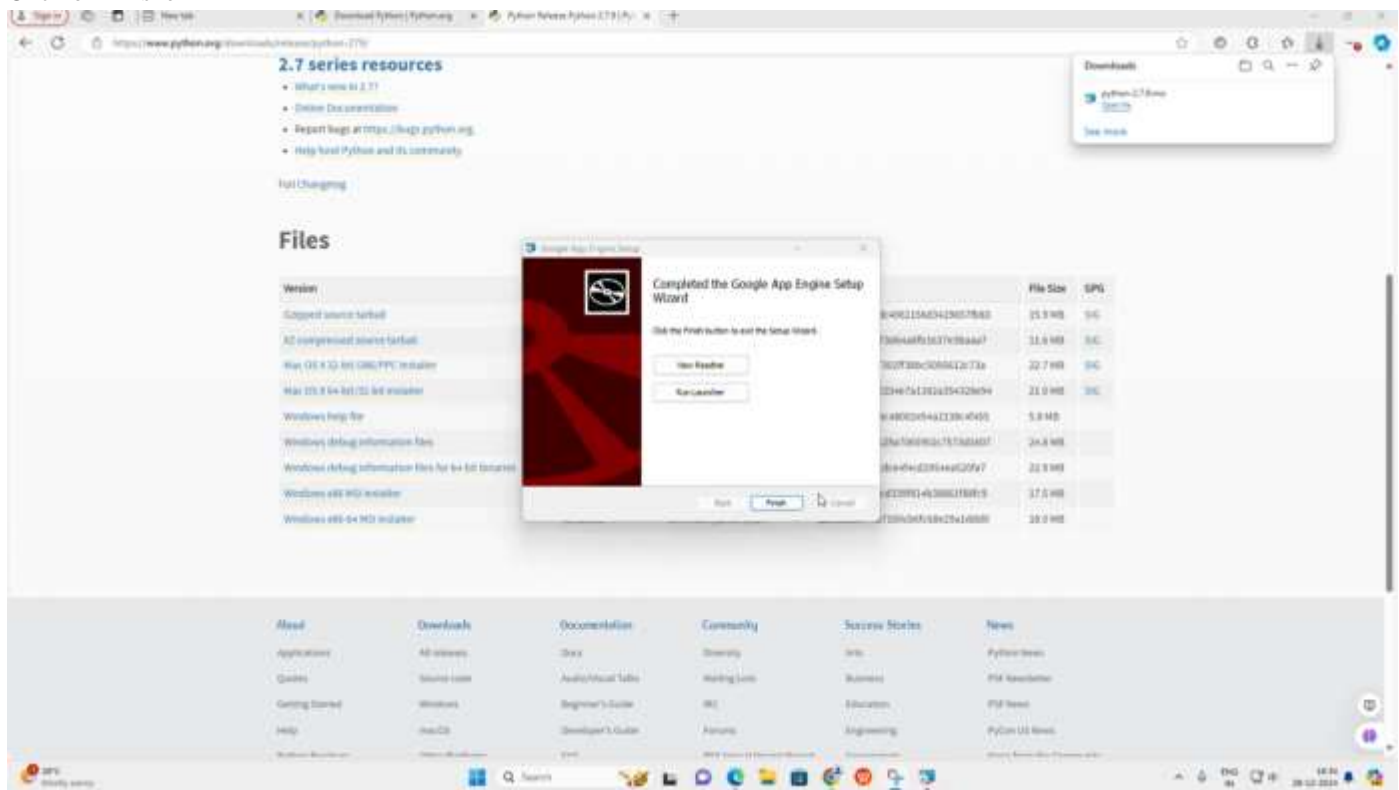




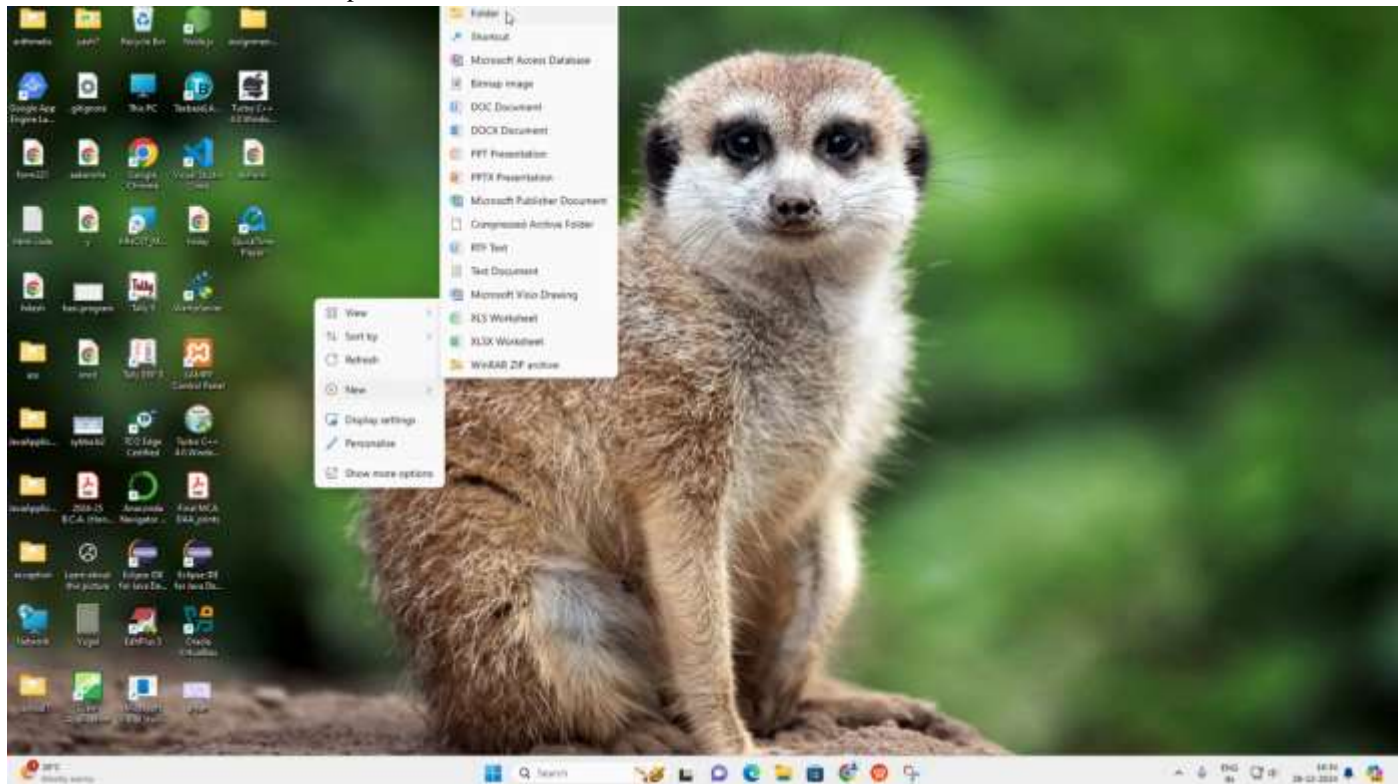
Click on install then click on next -> next



Click on finishe

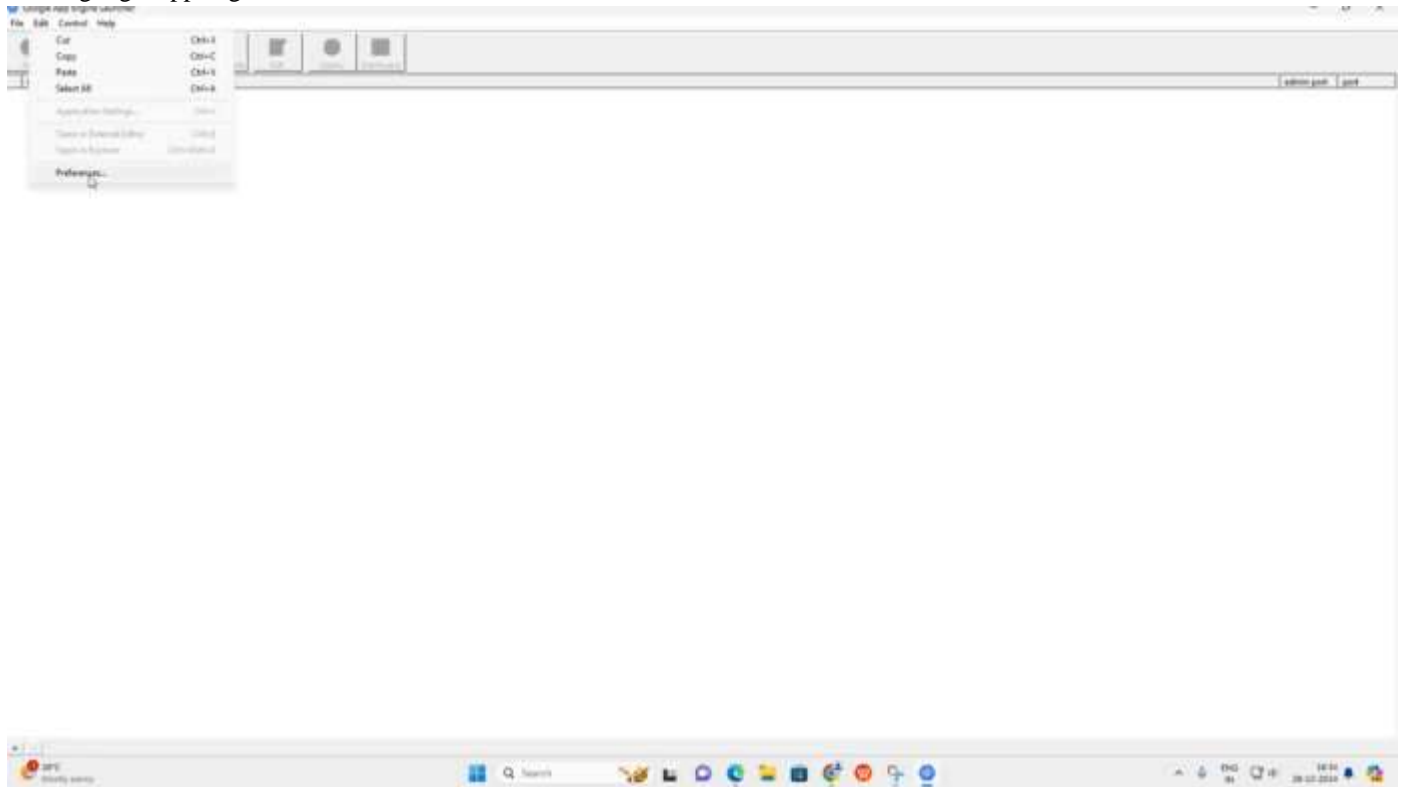


Create the new folder on desktop

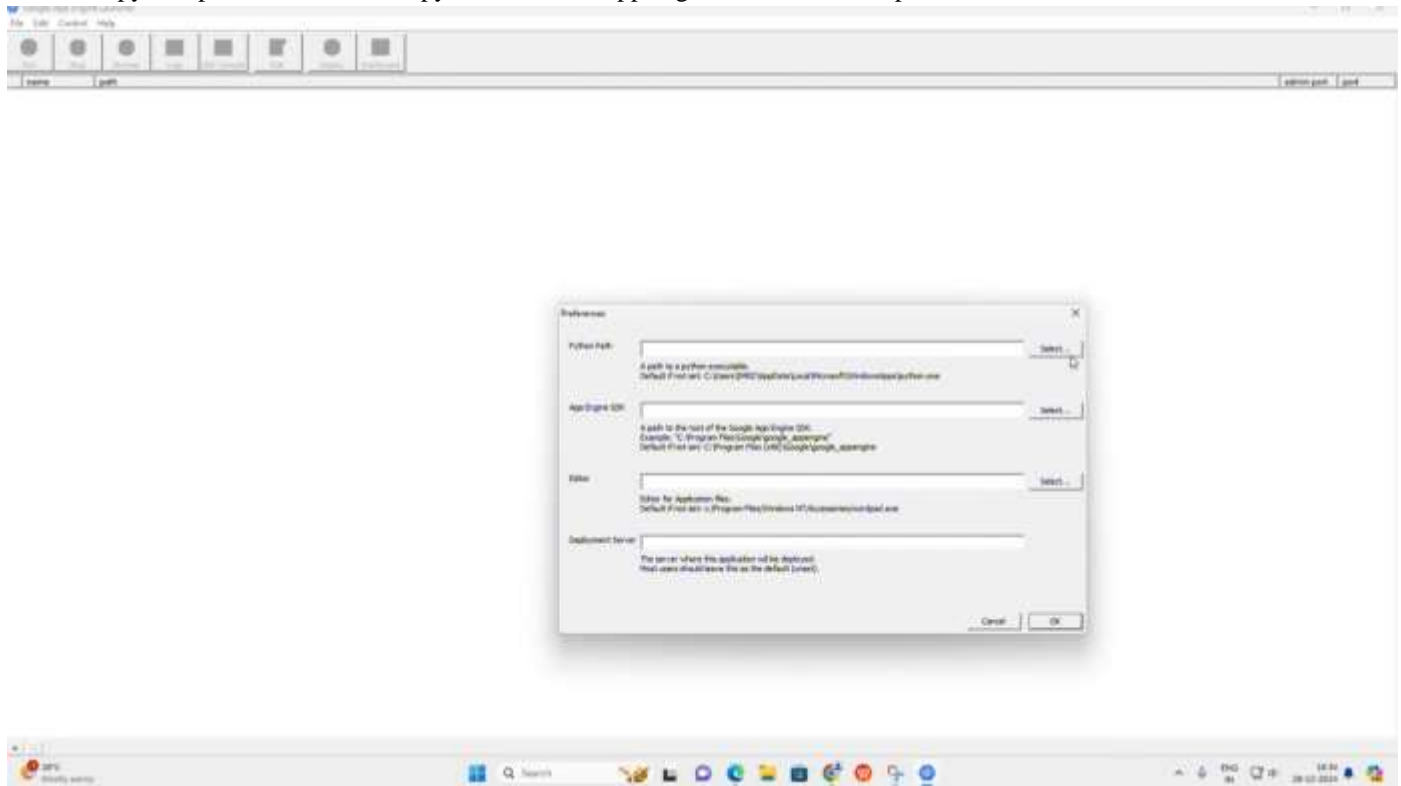




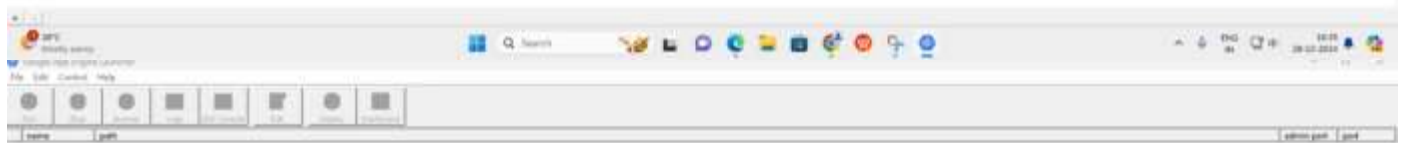
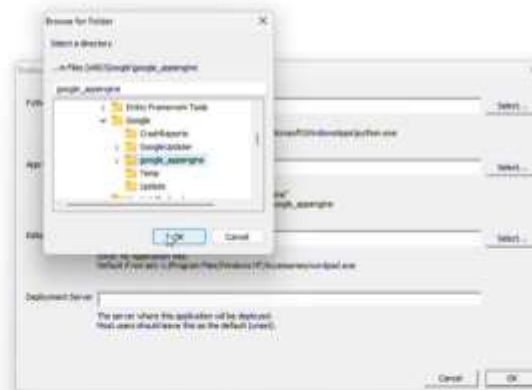
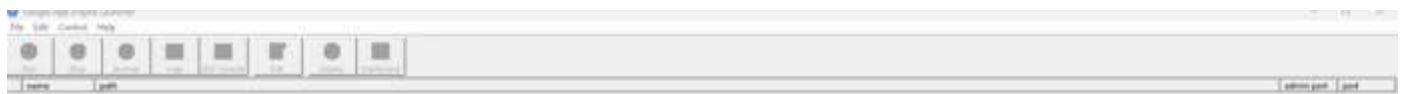
Go on google app engine click on edit then click on Preference



Select the python path the file name is python.exe then App engine SDK select the path

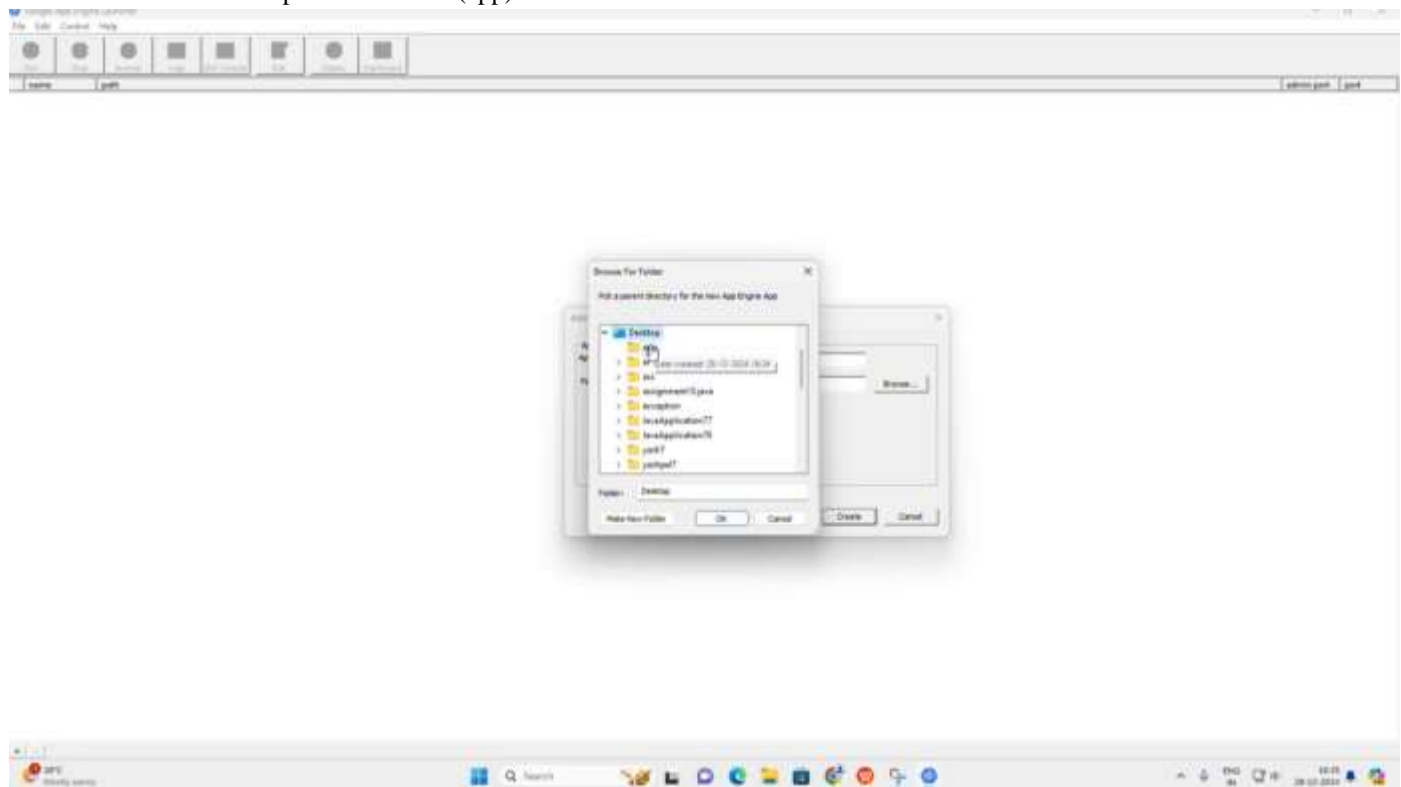




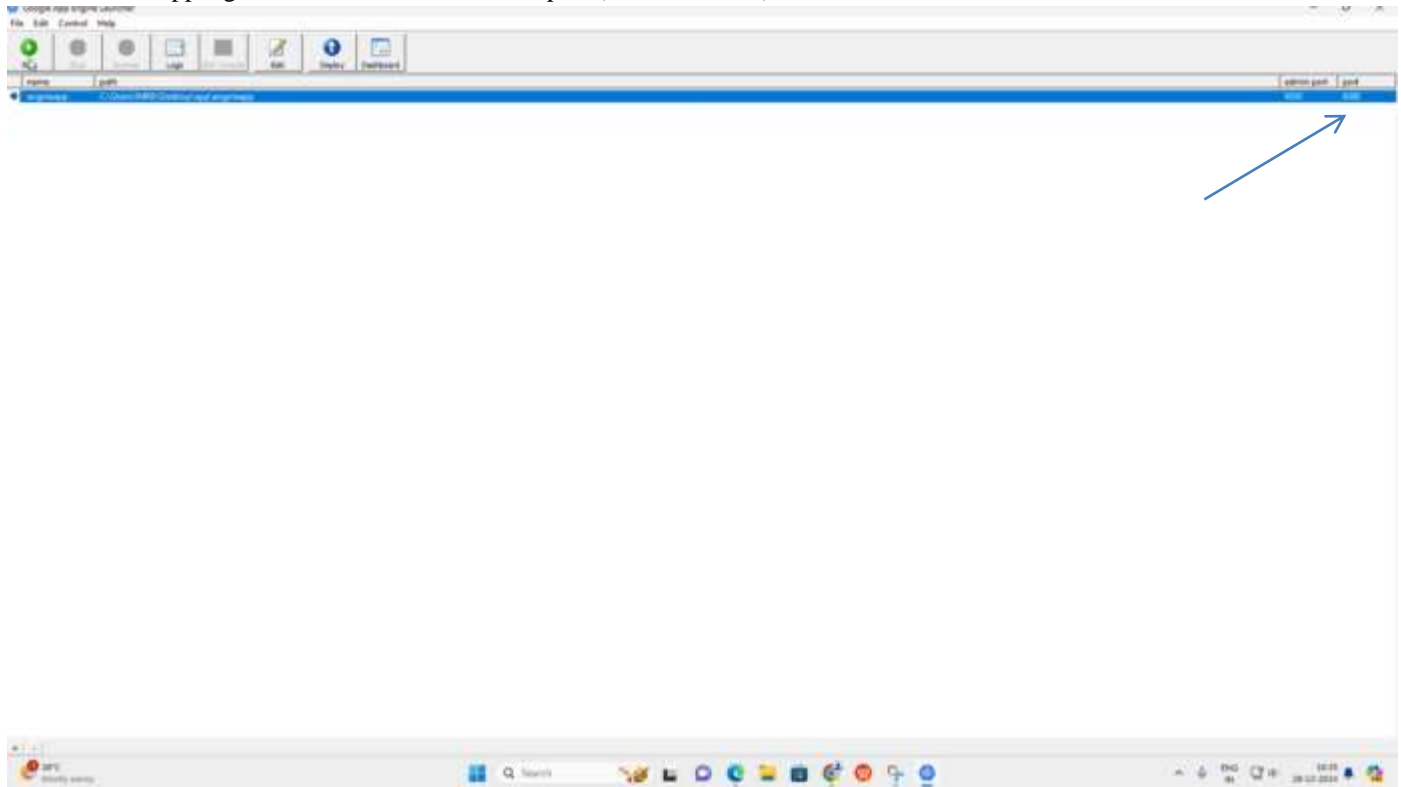


Click on file then click on create new application

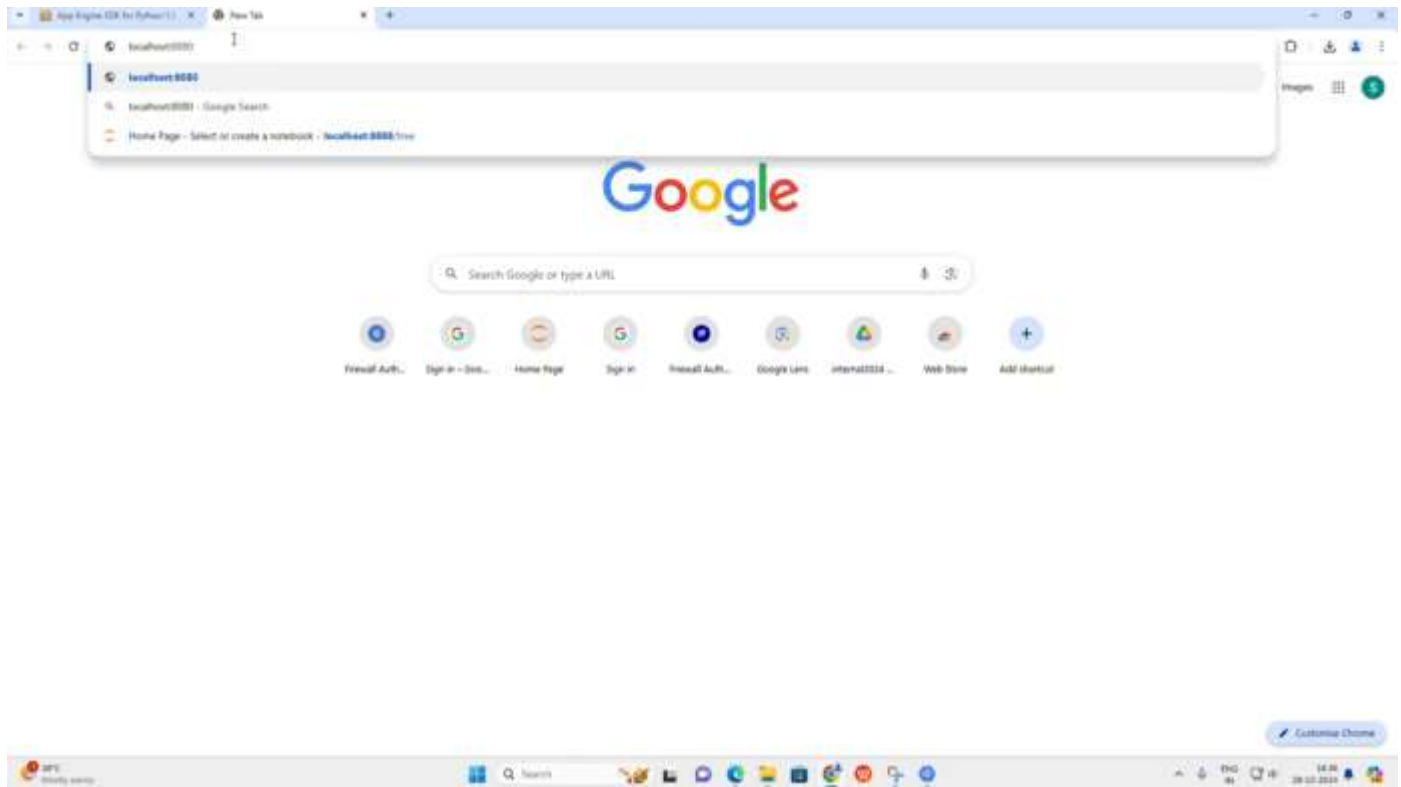
Then select file on desktop created folder (app)



Then click on appengine and Run it and check the port (localhost:8080)



Search on google localhost:8080 then enter



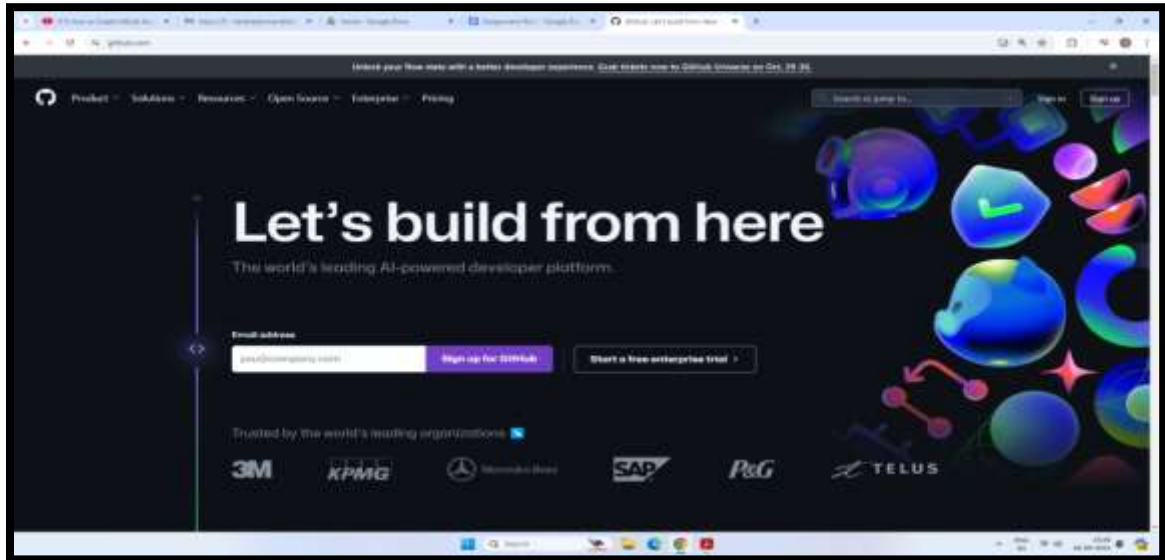


Hello world!

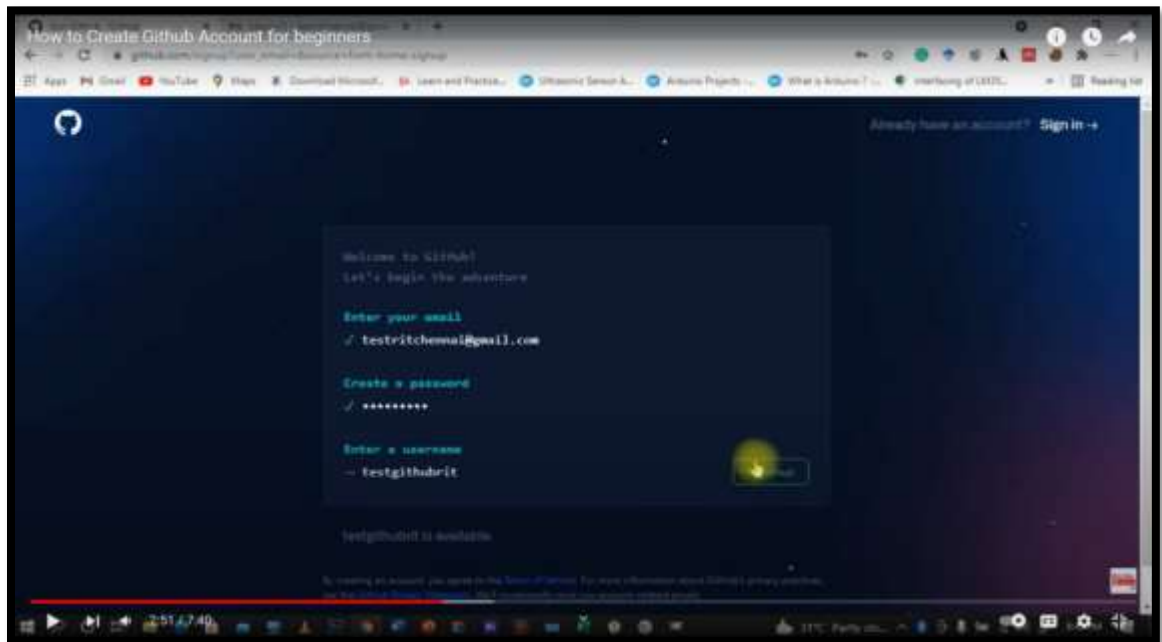


## Assignment No. 4: Setting Up a Simple Website on GitHub.

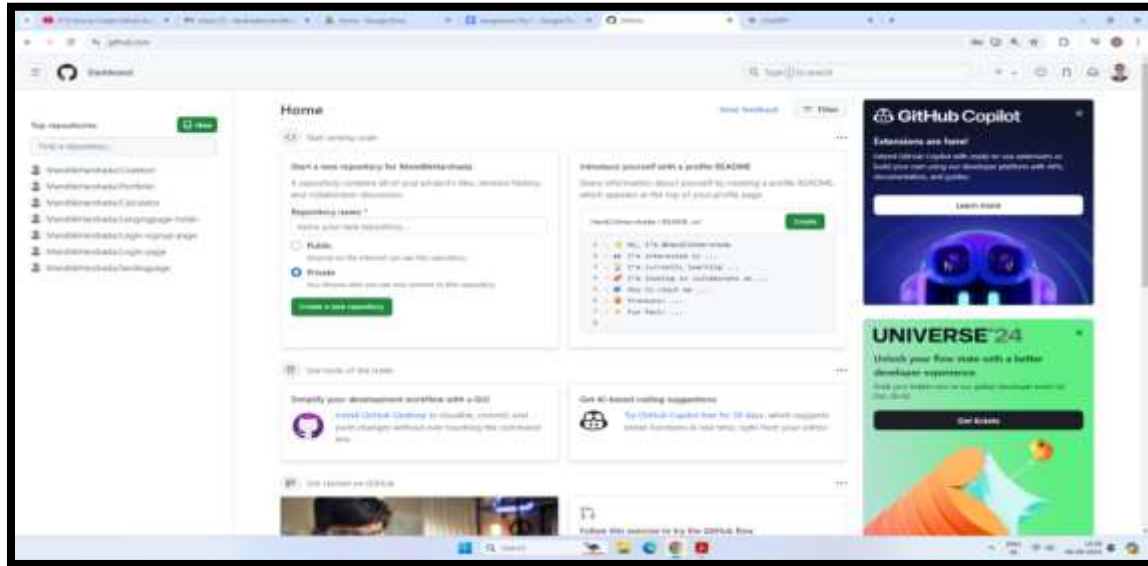
**Step1:** Open GitHub website.



**Step2:** Click on sign in button on top of right and create your account with your details.

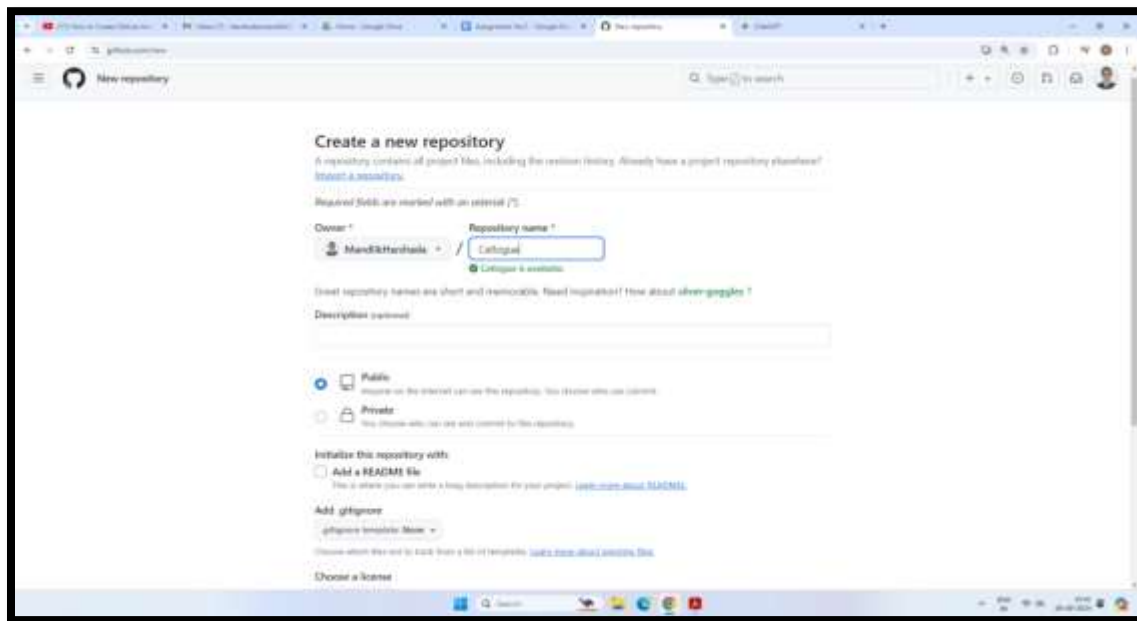


**Step 3:** Finally the account is created.



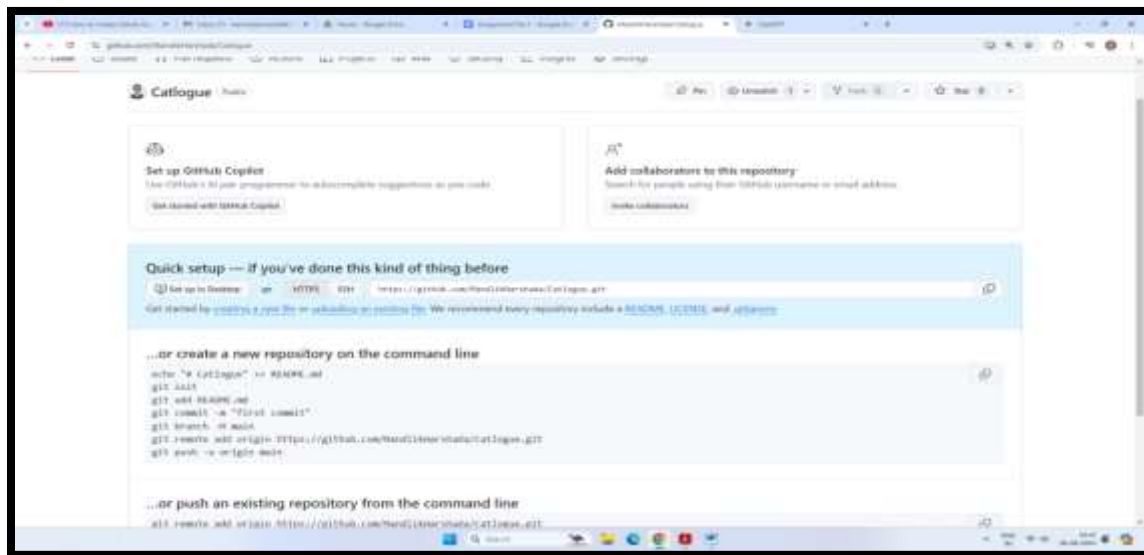
- To deploy a static website on GitHub Pages.

**Step1:** Click on the "+" icon in the top right corner and select "New repository."

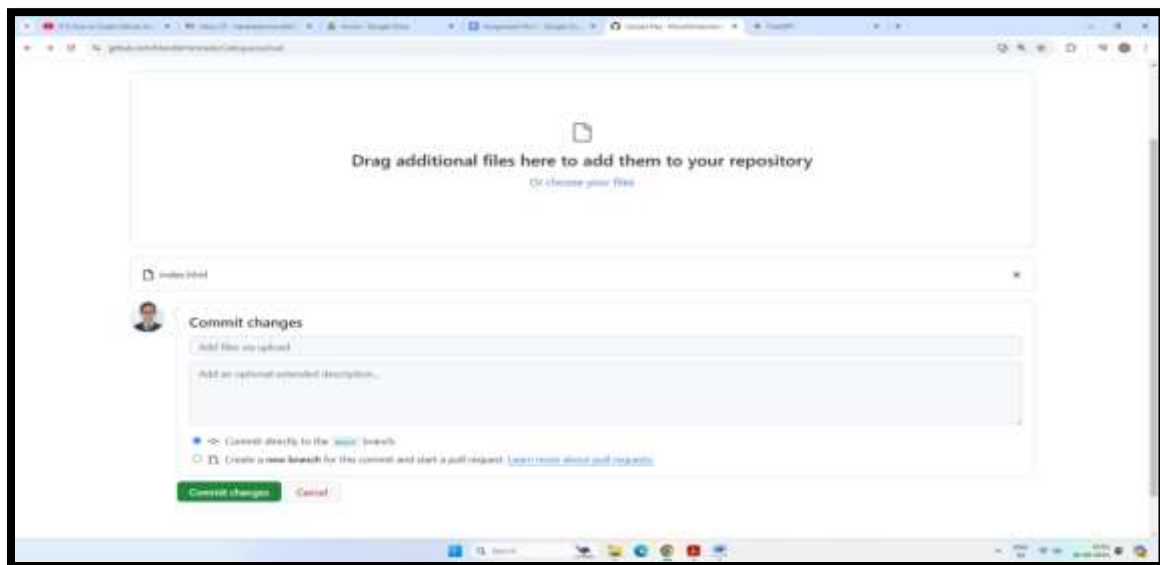




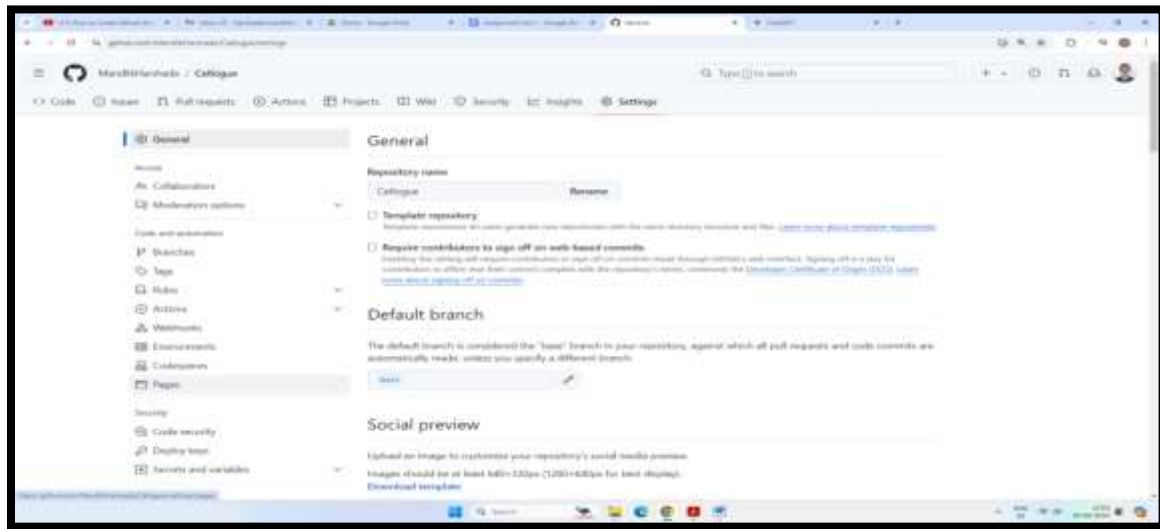
**Step2: On your newly created repository page, click on "Add file" > "Upload files."**  
**Drag and drop your HTML, CSS, and JavaScript files into the upload area. Make sure you have an *index.html* file as this will be the homepage.**



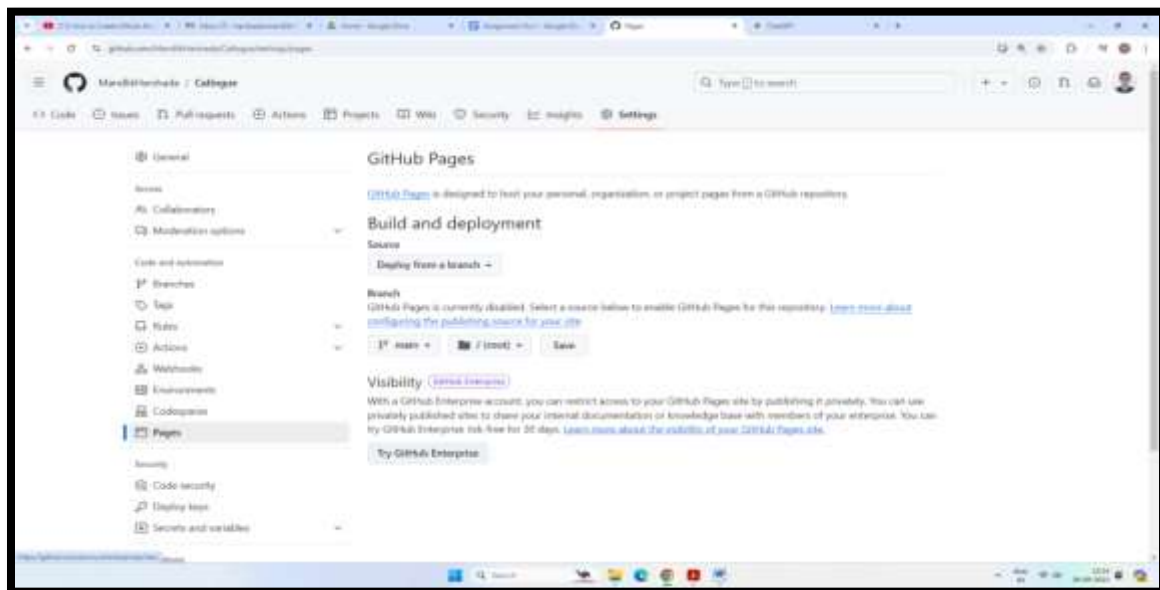
**Step3: Click on commit changes button.**



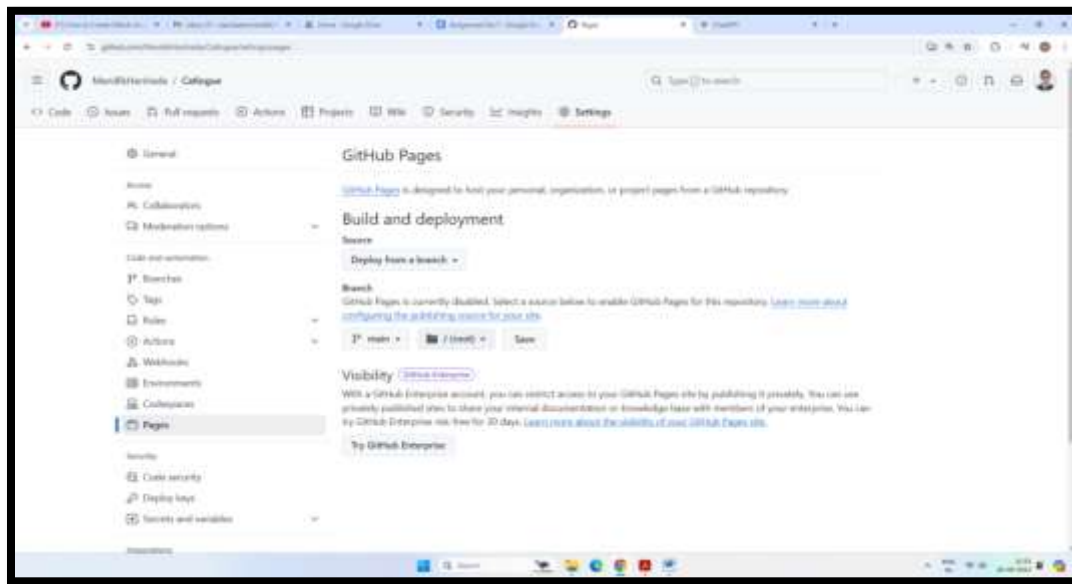
**Step4: Go to the "Settings" tab of your repository.**



**Step5: Scroll down to the "Pages" section (on the left sidebar).**

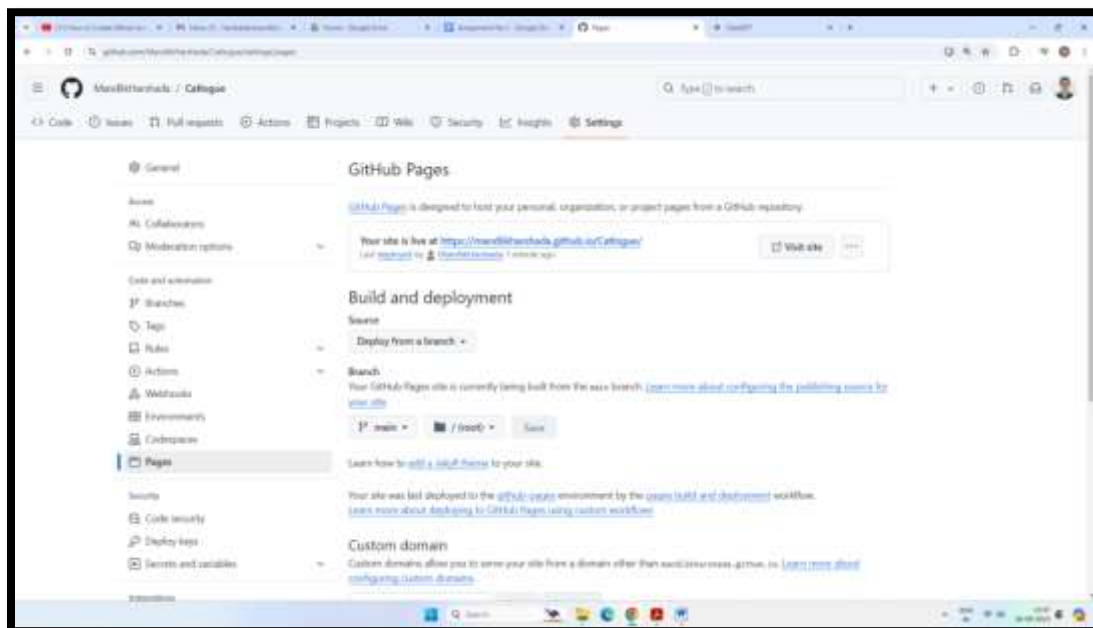


**Step6:** Under "Source," select the branch (usually *main*) and then the root folder */* for your site.

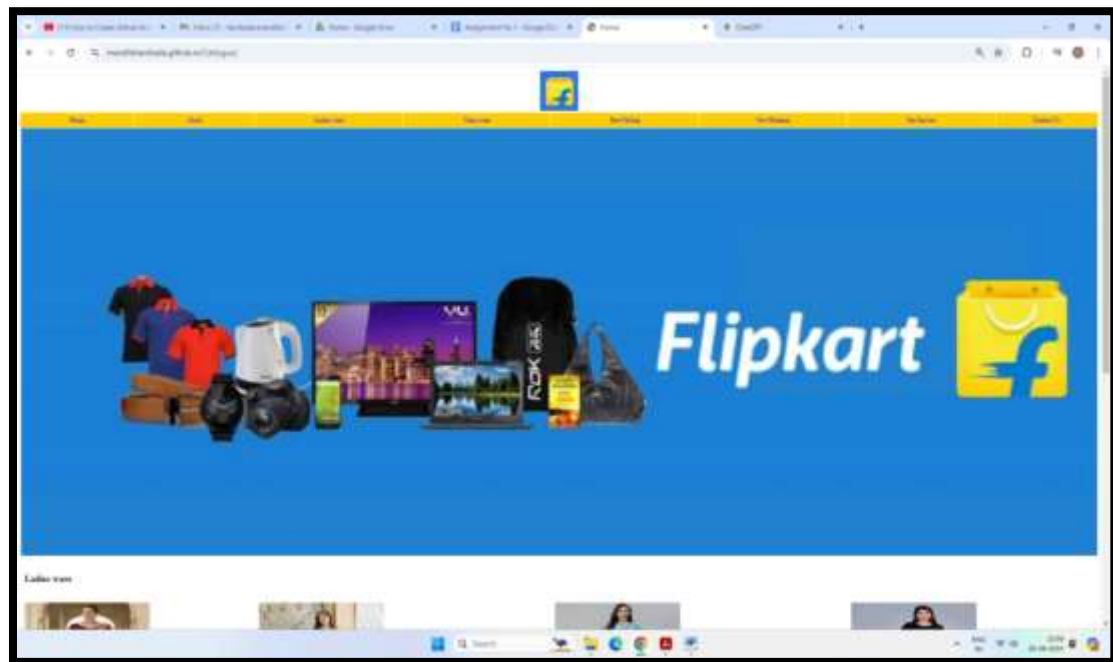


**Step7:** Click "Save."

**Step8:** After a few moments, your website will be available at <https://username.github.io> (replace *username* with your actual GitHub username).



**Step9: Final output.**

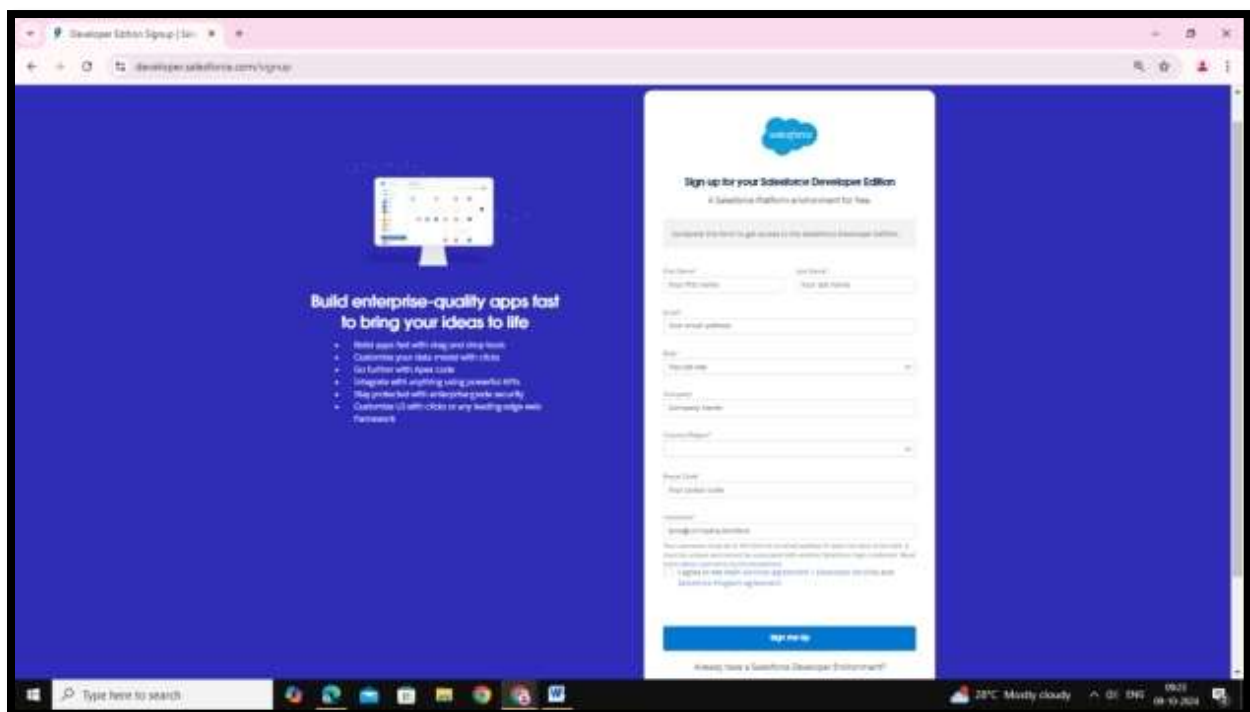


## Assignment no.5: Introduction to cloud CRM (Salesforce):

**CRM** : is a technology that helps businesses organise and track customer interactions across their company by collecting and analysing relevant customer-related data. This information lives in a centralised location, providing a single view of each customer across all teams within an organisation.

Modern CRMs are hosted in the cloud, providing easy access to information, faster processing speeds, and the flexibility to scale quickly to meet an organisation's changing needs.

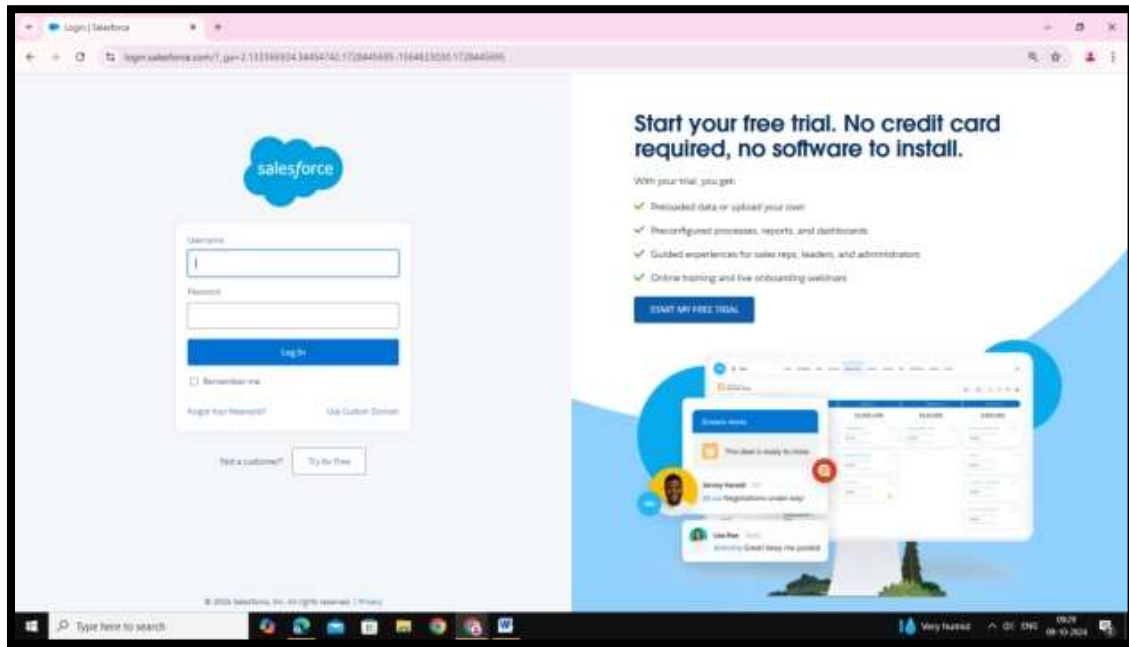
**Step 1: open** the Developers Edition signup as a Developer( using developers.salesforce.com)



**step 2: fill** the related information and click on sign me up.

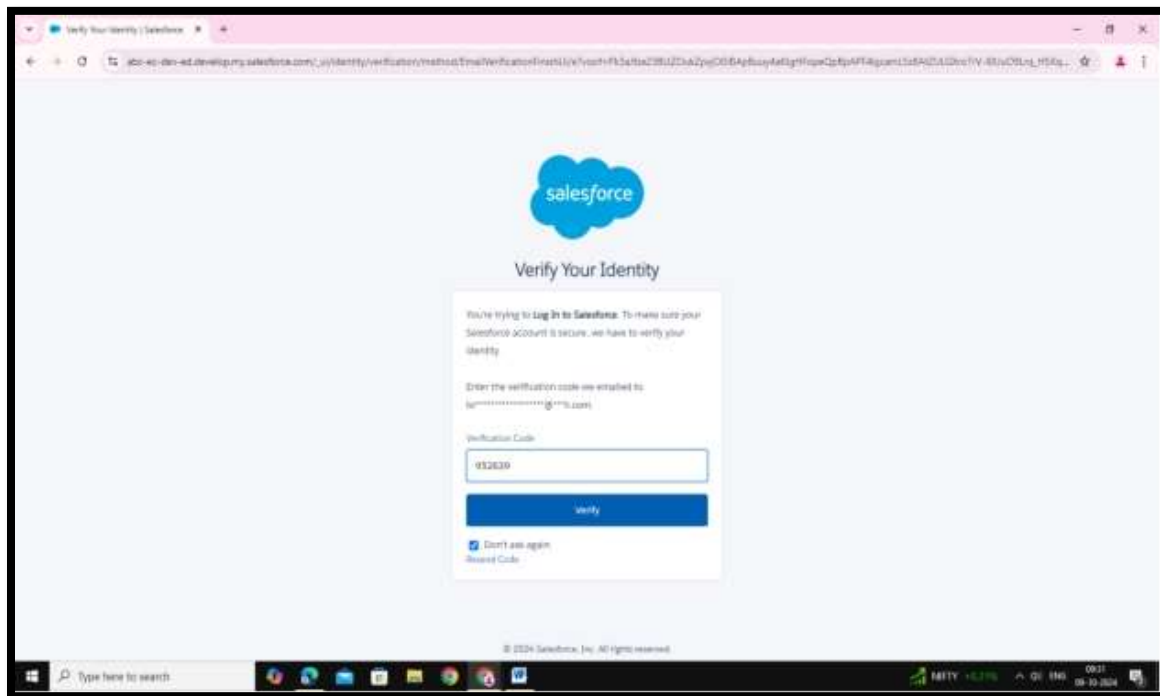
**step 3: Click** on login which located below the sign me up.

**step 3:** Click on login which located below the sign me up.



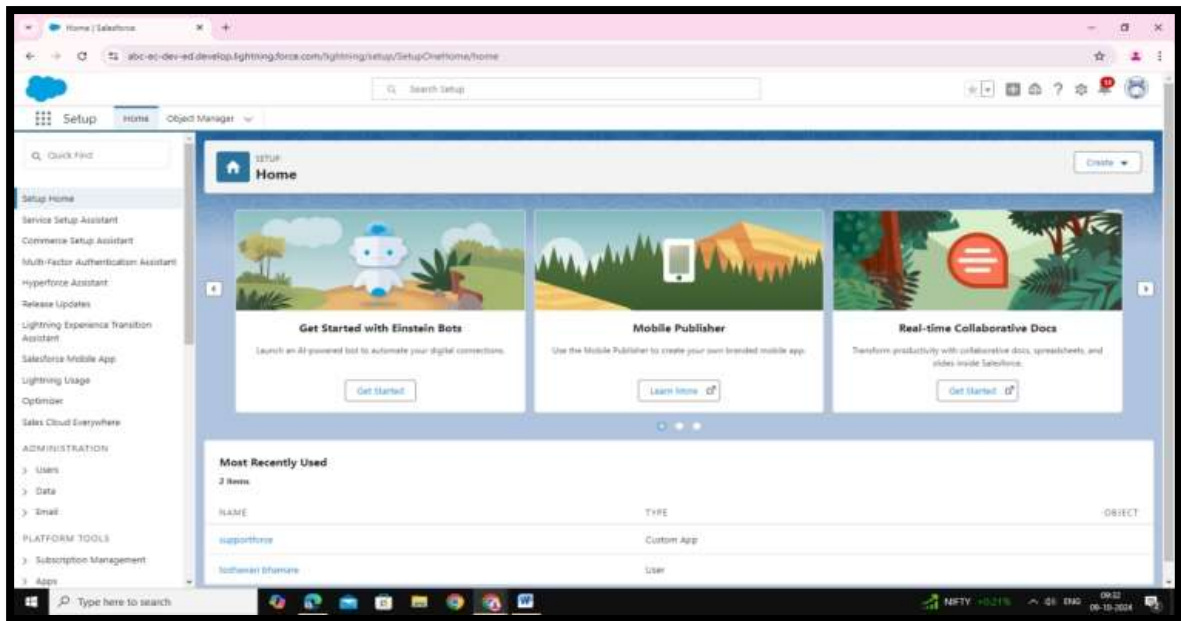
**step 4:** enter your username and password then click on login.

**step 5:** if we successfully login, then salesforce provide verification code to our login email.



**step 6:** Enter verification code and click on verify.

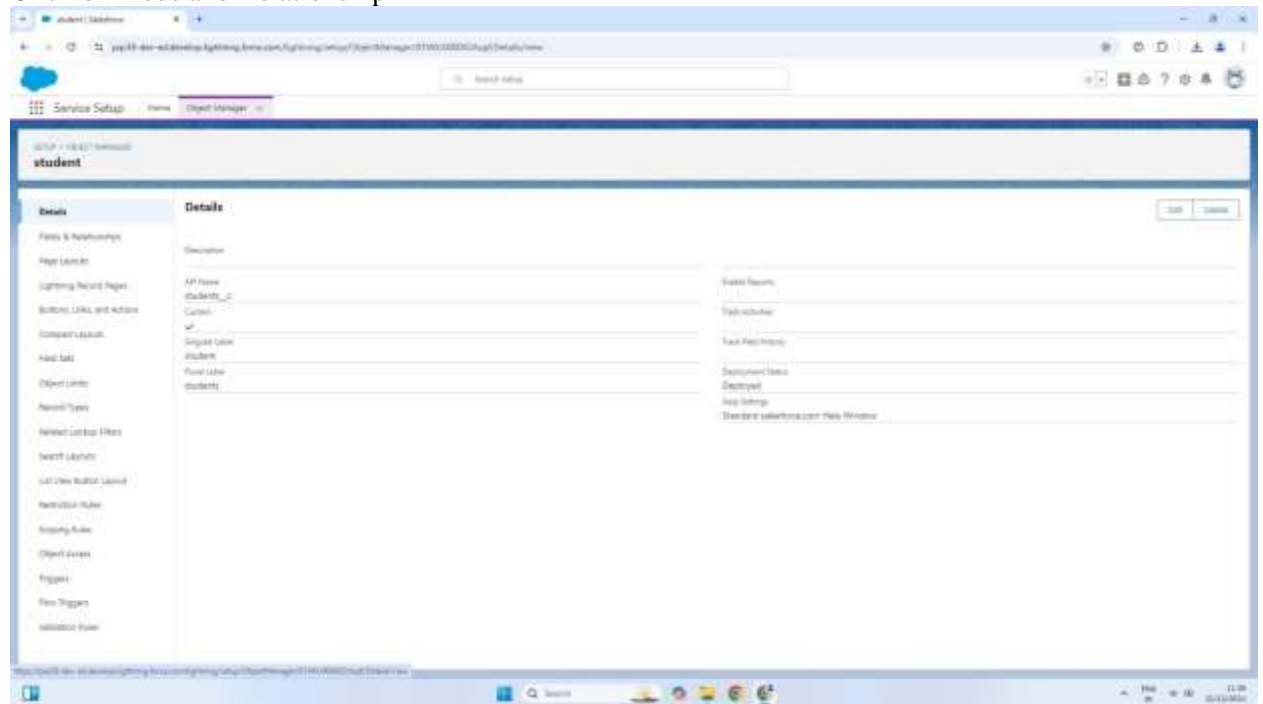
**step 7:** if we successfully verified then it directly goes on salesforce home page.



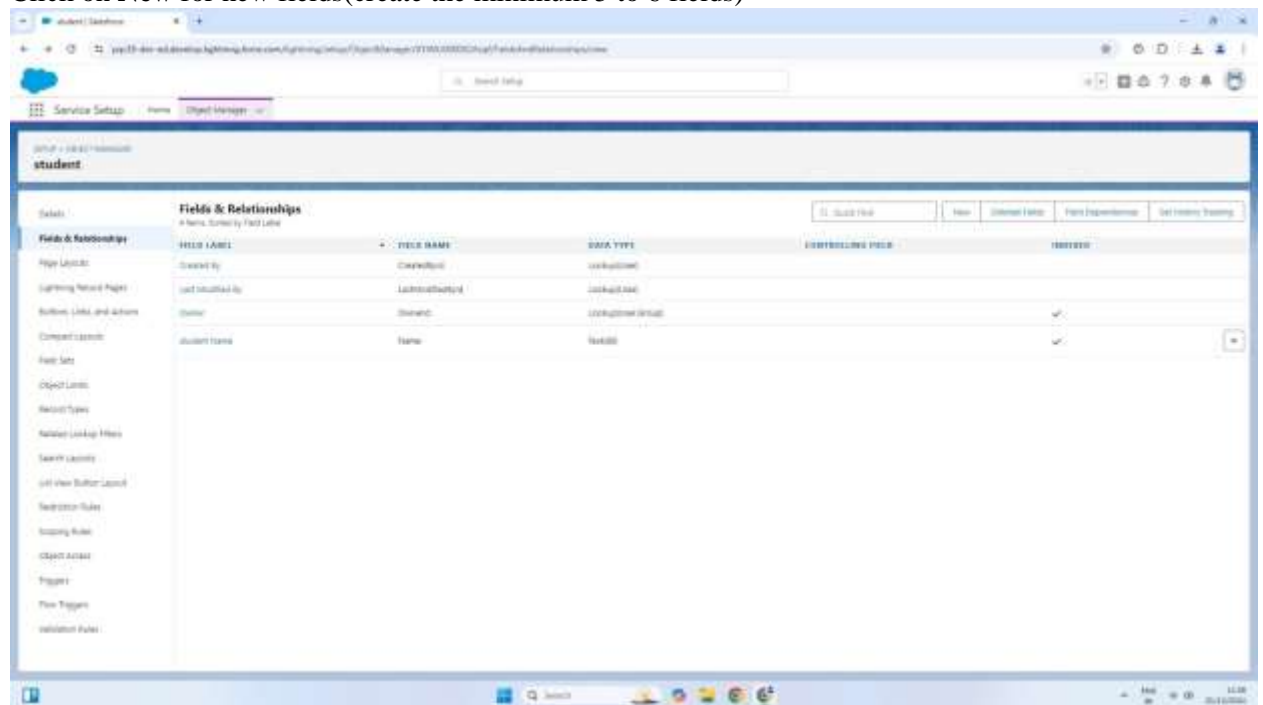




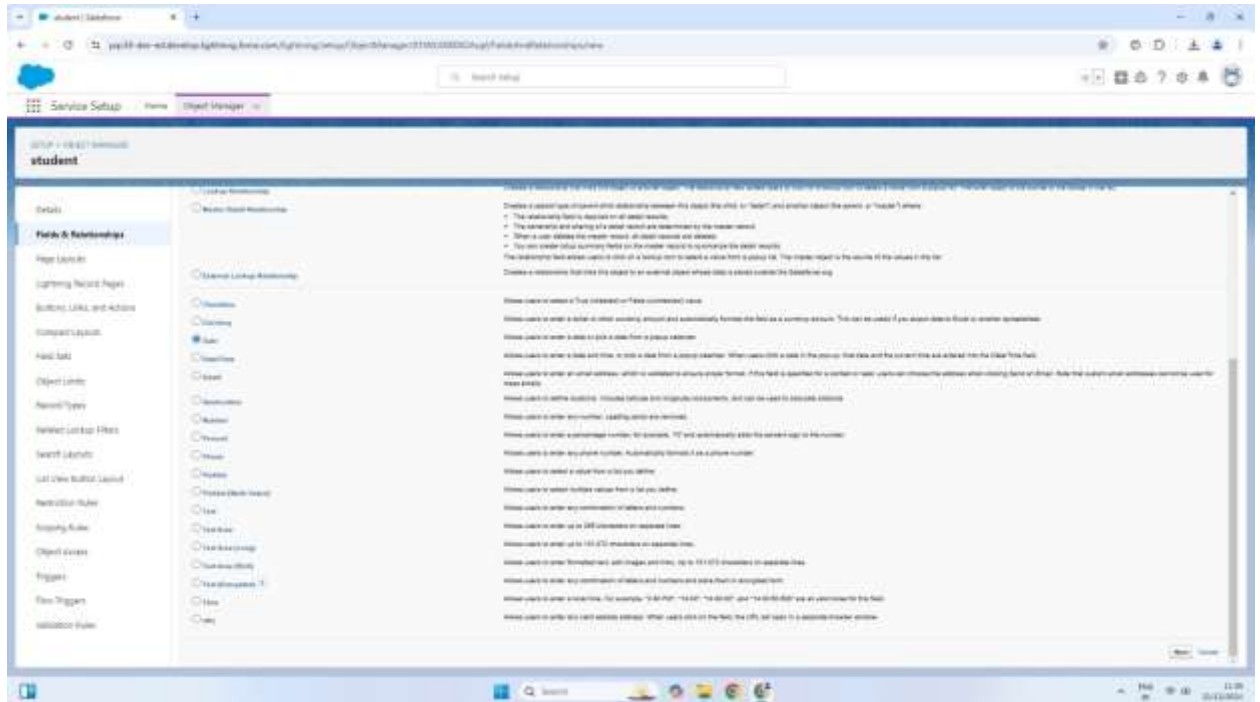
### Click on Fieds and Relationship



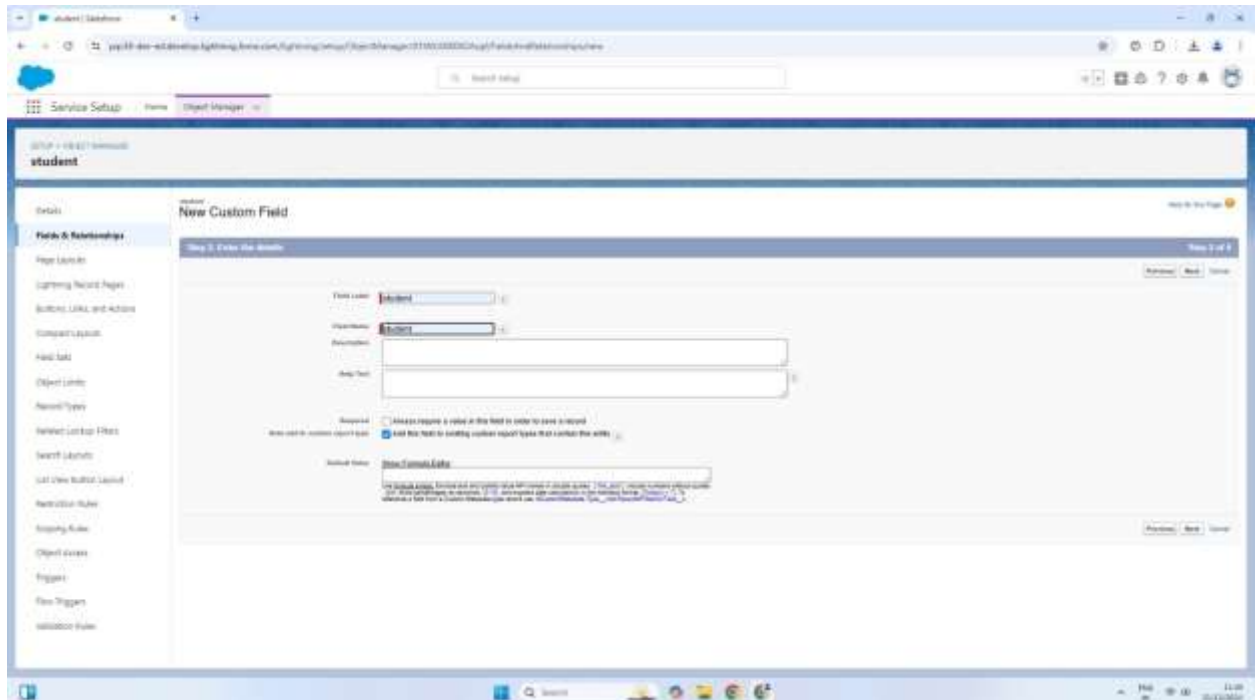
Click on **New** for new fields(create the minimum 5 to 6 fields)

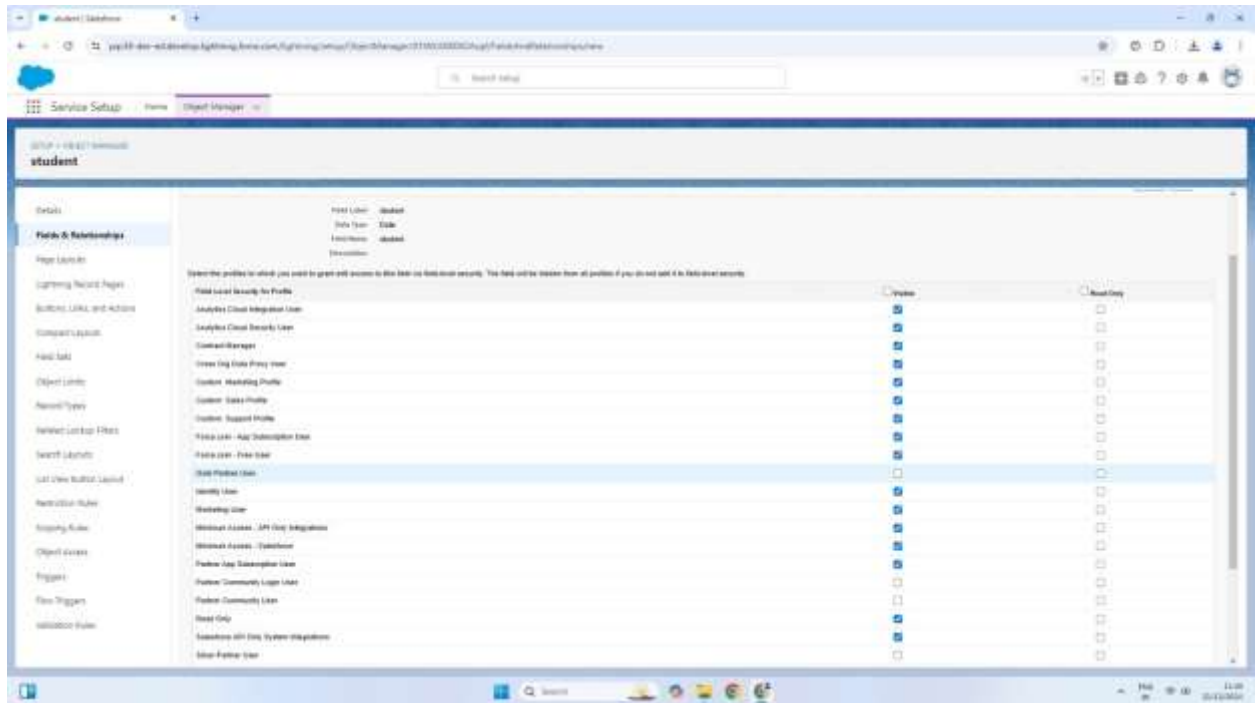


Click the data Type

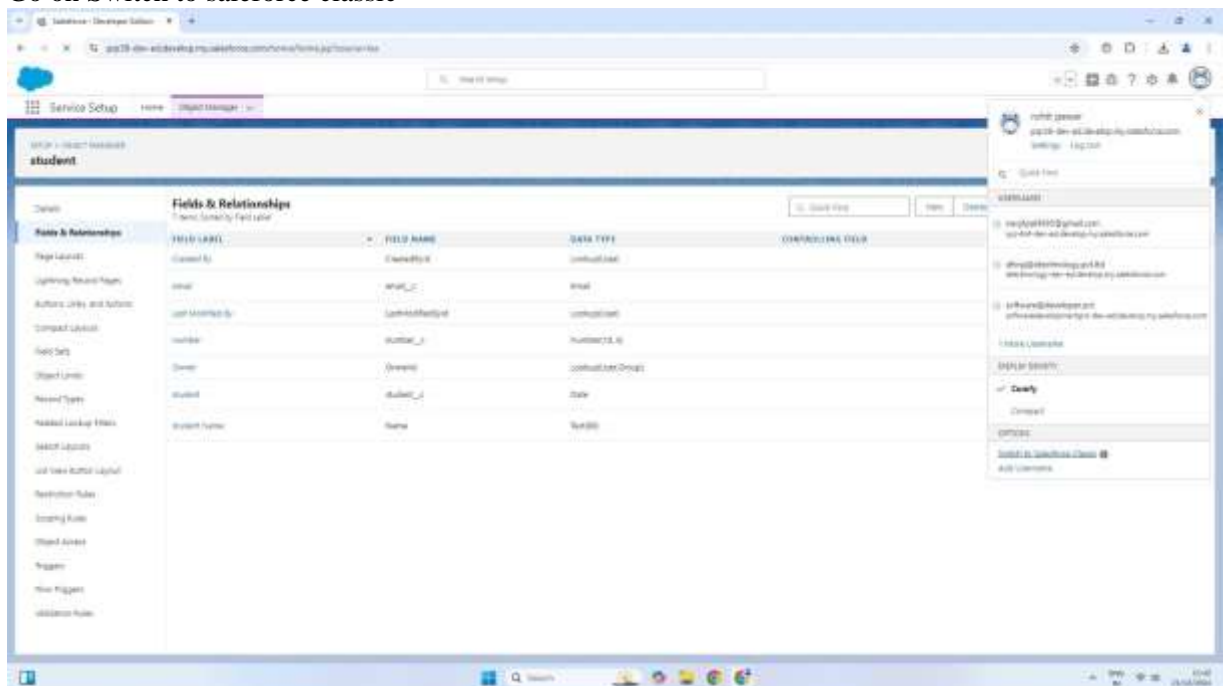


Give the fields name then click on next -> next -> next





Go on Switch to salesforce classic



Find the given object name click on then enter the entry of data (enter the minimum 5 to 6 entry)

The screenshot shows the 'New student' form in the ebc system. The form is titled 'New student' and has a 'student id' field. Below the title, there are tabs for 'Information', 'Details', and 'History'. The 'Information' tab is active, showing fields for 'student name', 'student id', 'email', and 'password'. The 'student name' field contains 'xyz', 'student id' contains '20102024', 'email' contains 'xyz@gmail.com', and 'password' contains '123456'. There are 'Save', 'Save & New', and 'Cancel' buttons at the bottom of the form.

student id: 20102024

student name: xyz

email: xyz@gmail.com

password: 123456

The screenshot shows the 'Details' view for a student in the ebc system. The view is titled 'Details' and shows the student's information. The student's name is 'xyz', student id is '20102024', email is 'xyz@gmail.com', and password is '123456'. The 'Created by' field shows 'xyz@gmail.com' and the 'Last Modified by' field shows 'xyz@gmail.com'. There are 'Save', 'Save & New', and 'Cancel' buttons at the bottom of the form.

student name: xyz

student id: 20102024

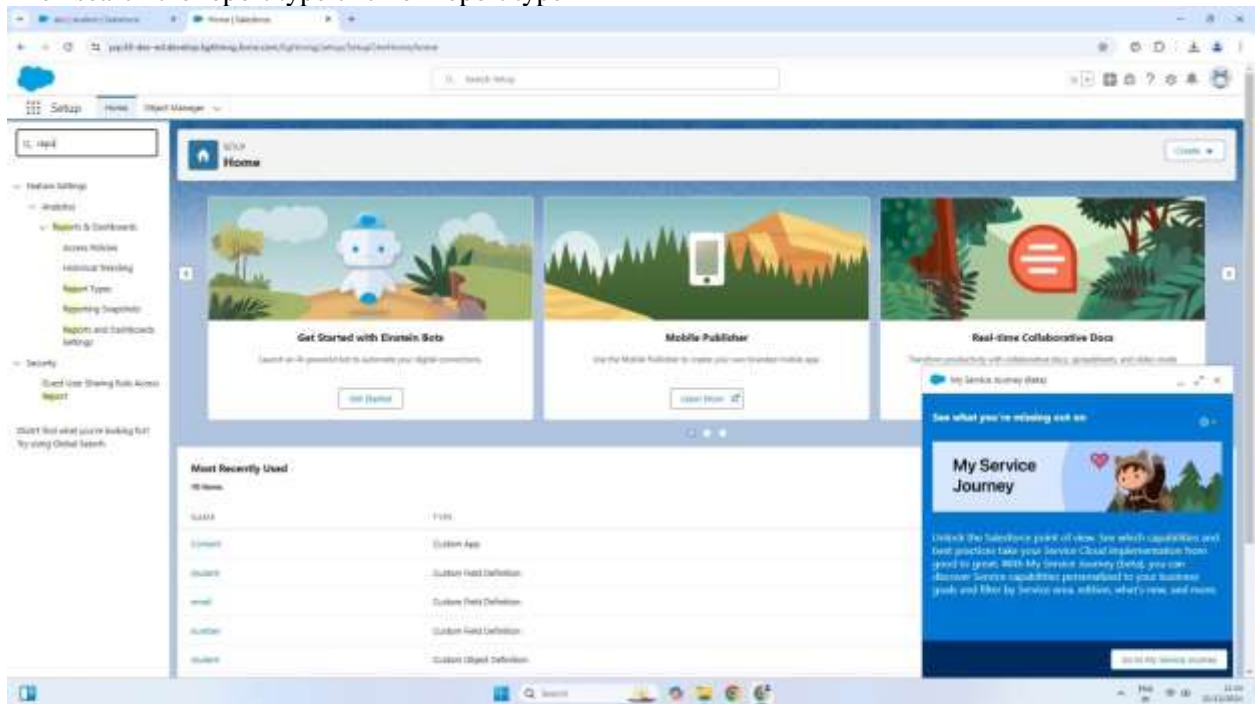
email: xyz@gmail.com

password: 123456

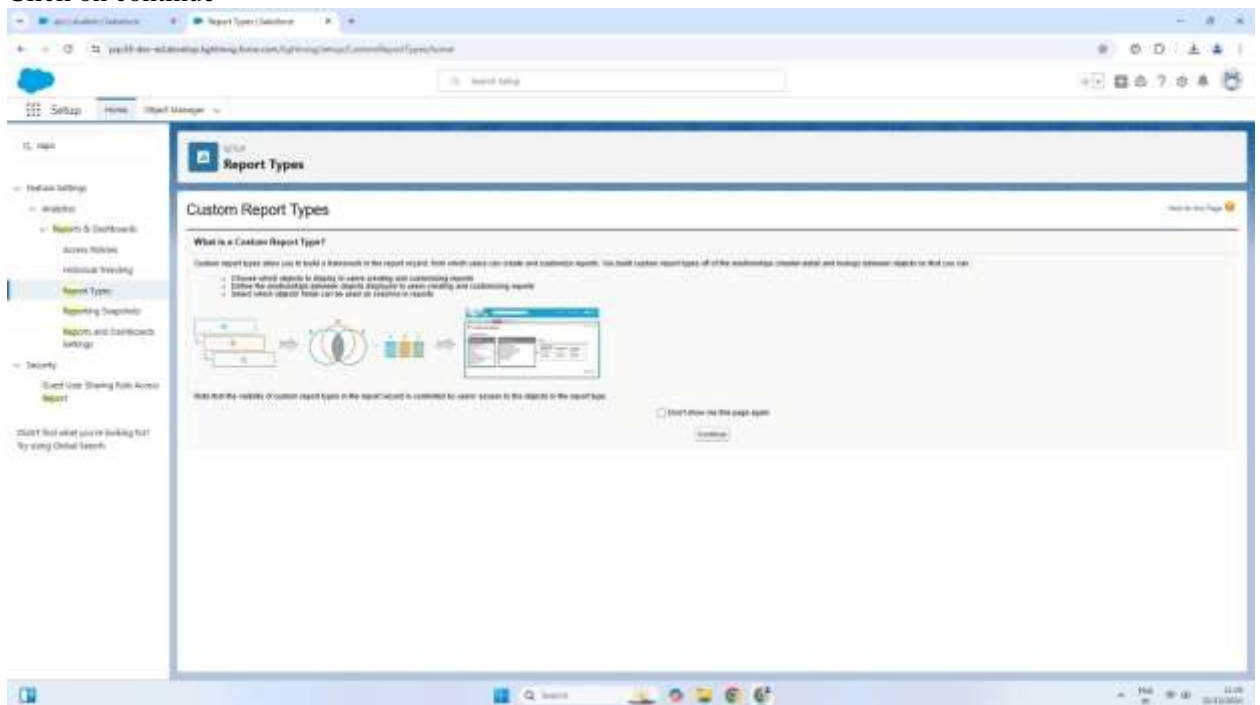
Created by: xyz@gmail.com

Last Modified by: xyz@gmail.com

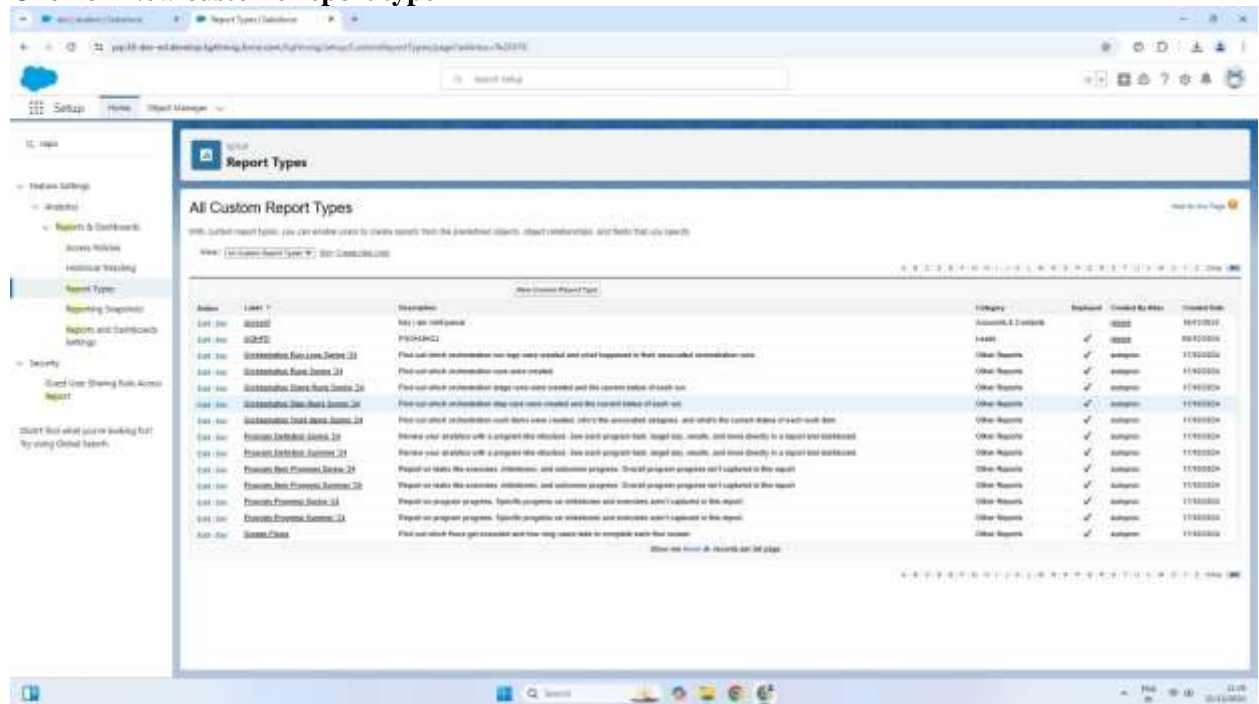
Then search the report type click on report type



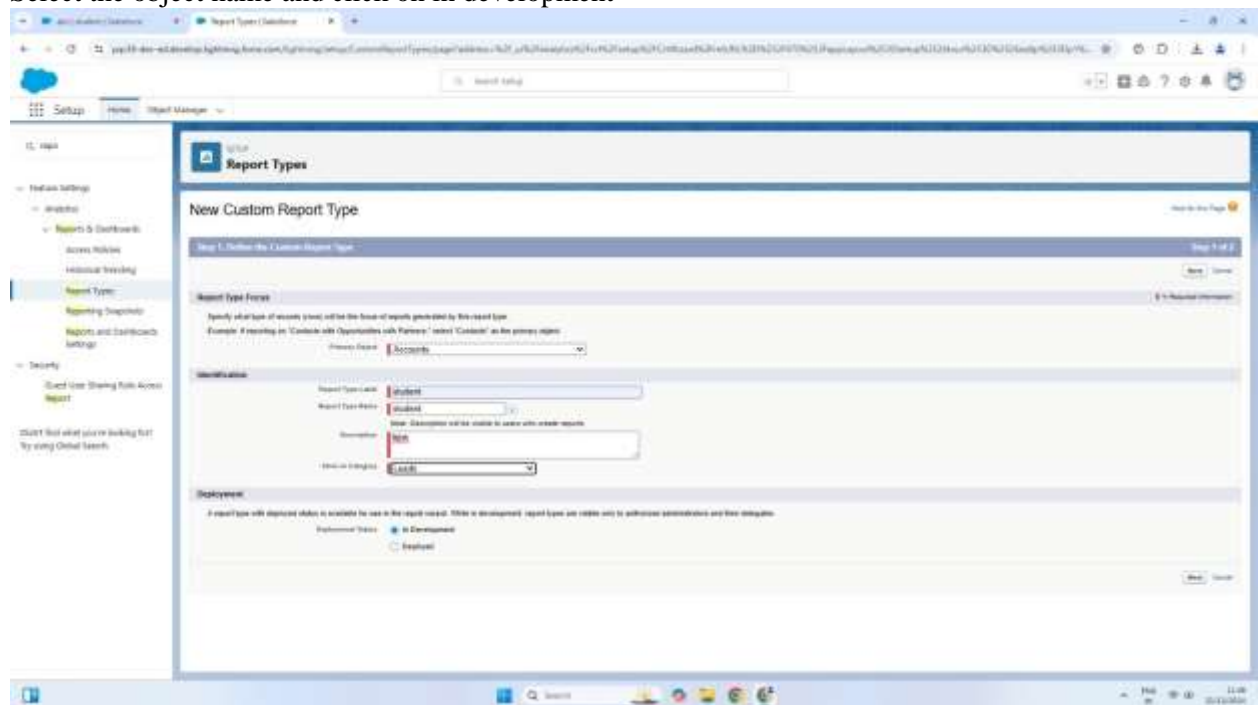
Click on continue



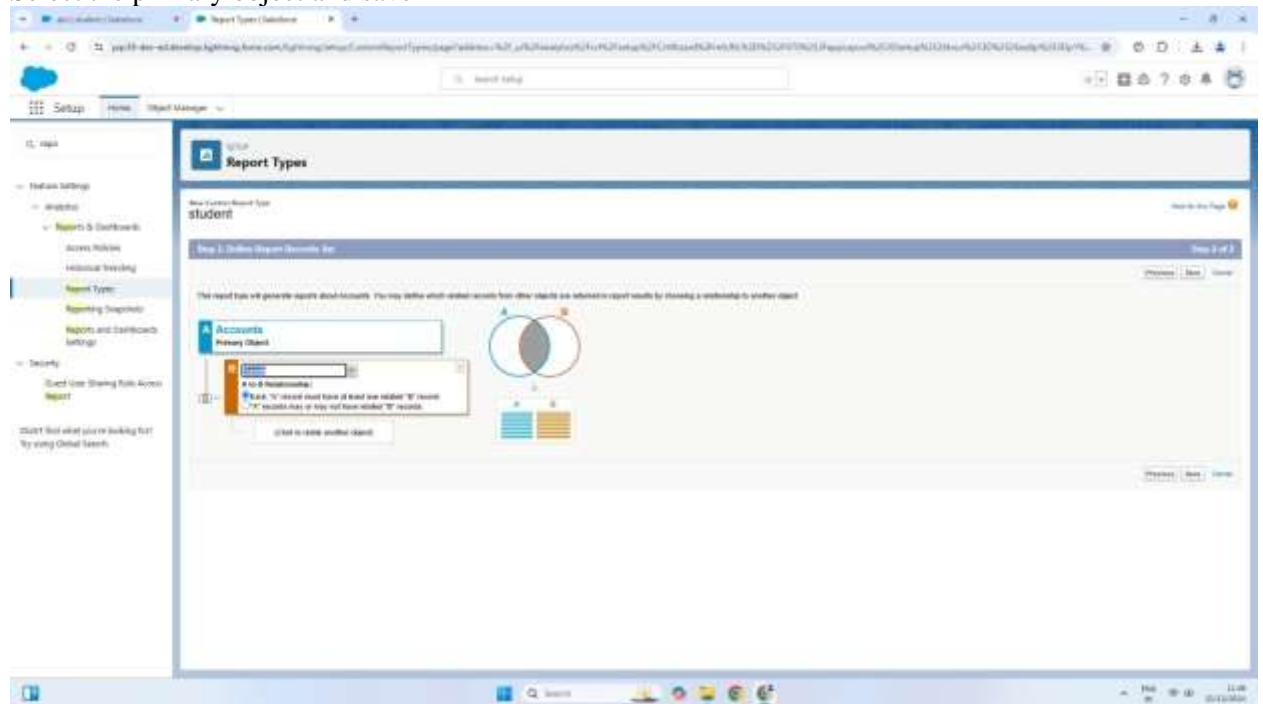
**Click on New custome report type**



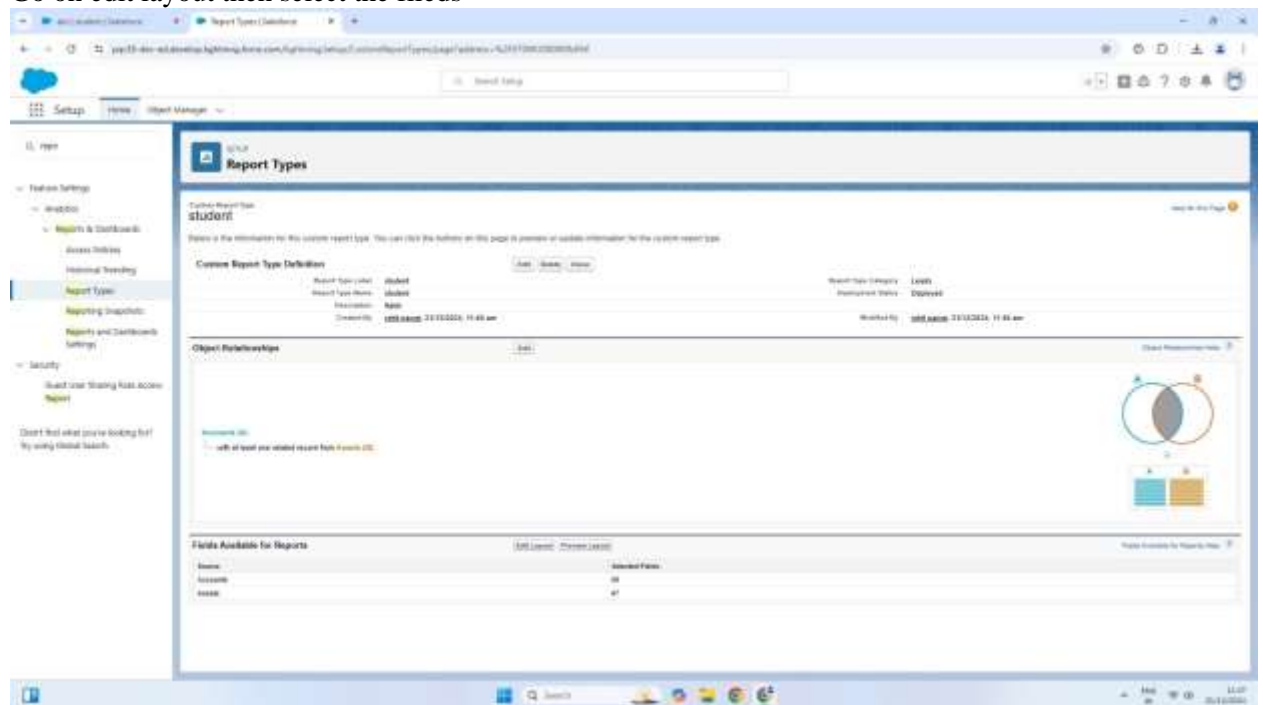
Select the object name and click on in development



Select the primary object and save



Go on edit layout then select the files





Then search report and click on new report and find the custome report

**Report Types**

Information for this custom report type. You can click the buttons on this page to provide or update information for this custom report type.

**Report Type Definition**

Report Type Label	student	Report Type Category	1 Party
Report Type Name	student	Report Type Subcategory	Student
Description	Student		
Created By	admin@org.com	Created On	2/12/2024, 11:46 am

**Object Relationships**

Relationships between objects that are used in this report type.

**Fields Available for Reports**

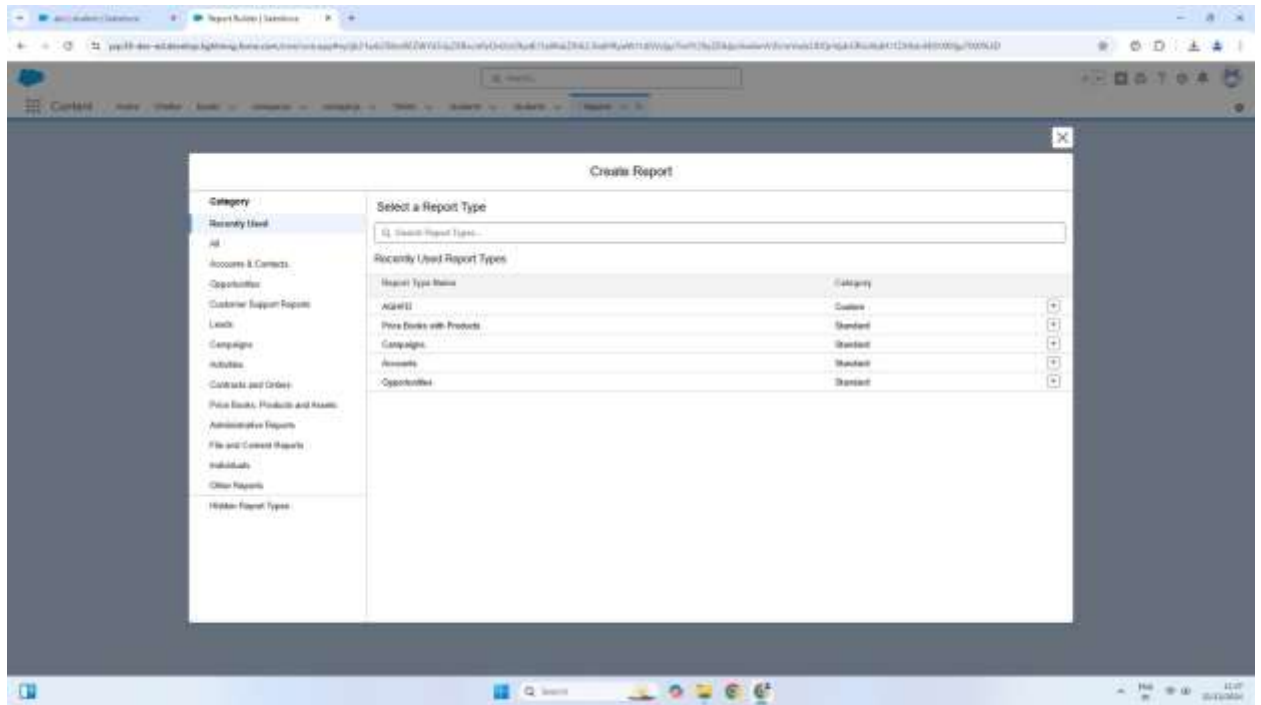
Field Name	Field Type
Account	Text
Account	Text
Account	Text

**Reports**

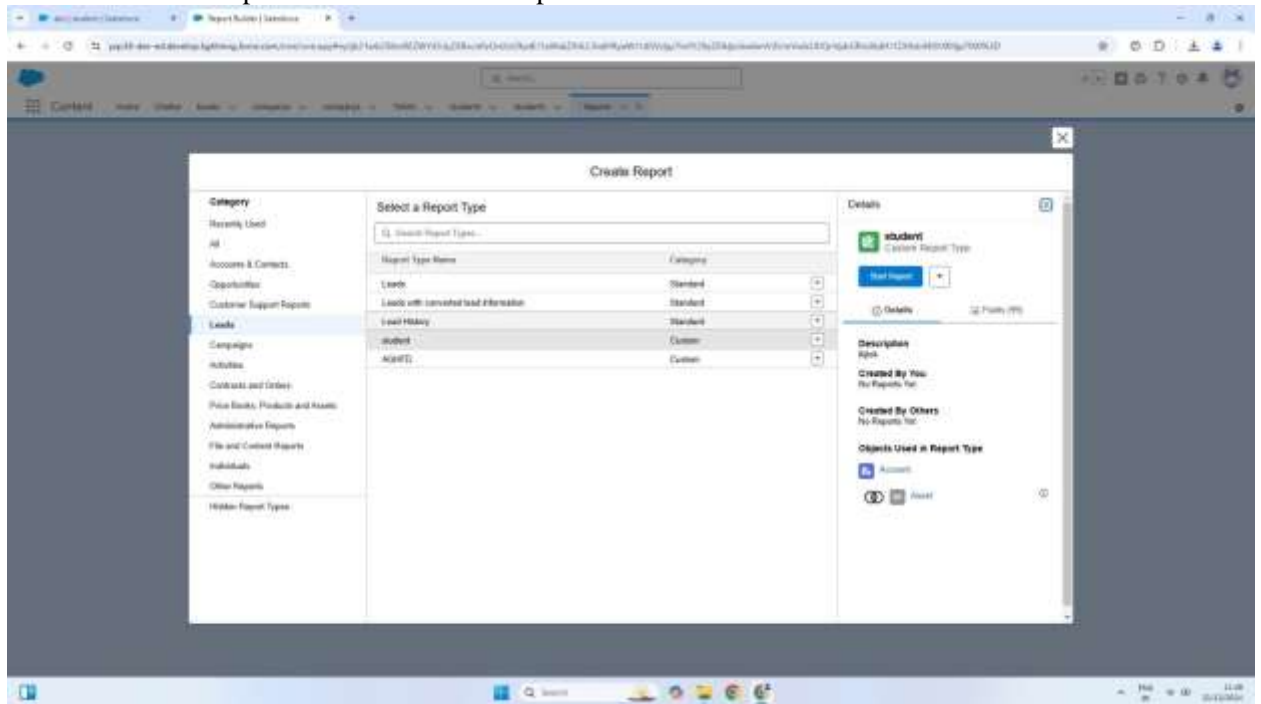
Recent

Report Name	Description	Folder	Created By	Created On	Subscribed
New Account Report		Private Reports	admin@org.com	2/12/2024, 12:17 pm	
New First Name Report		Private Reports	admin@org.com	2/12/2024, 11:08 am	
New Campaign Report		Private Reports	admin@org.com	2/12/2024, 10:28 am	
New Account Report		Private Reports	admin@org.com	2/12/2024, 10:28 am	
New Opportunity Report		Private Reports	admin@org.com	2/12/2024, 10:27 am	

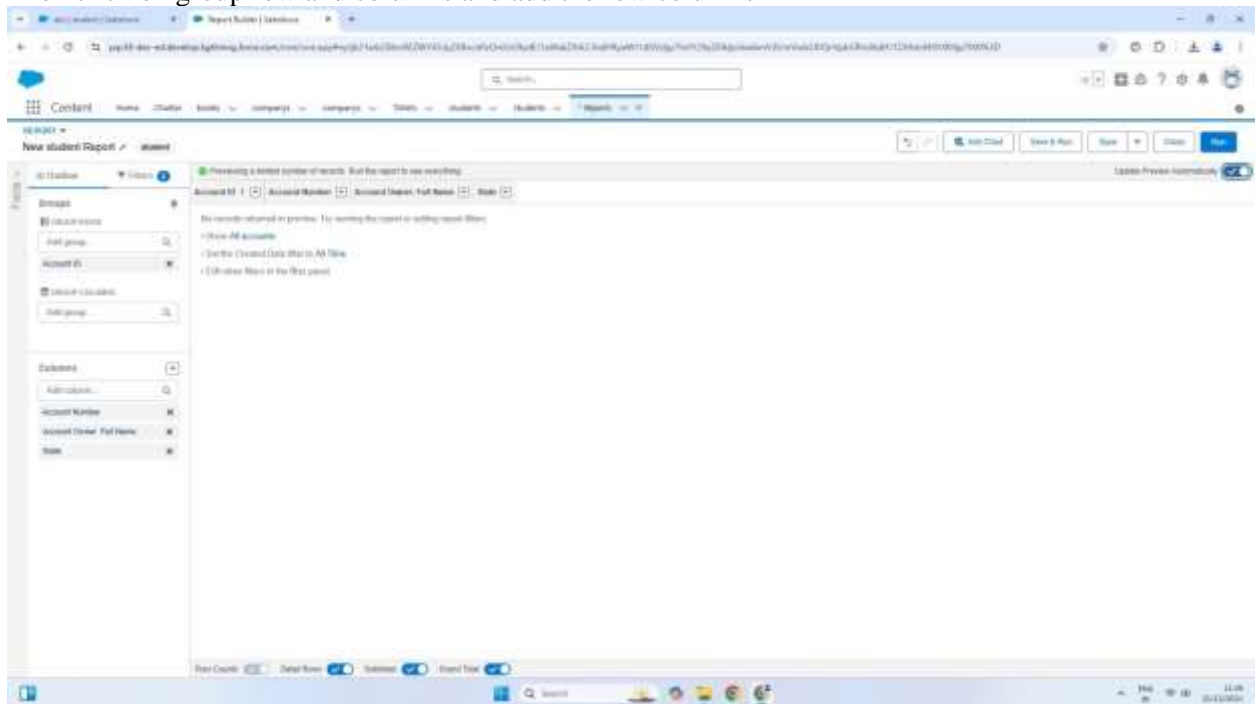




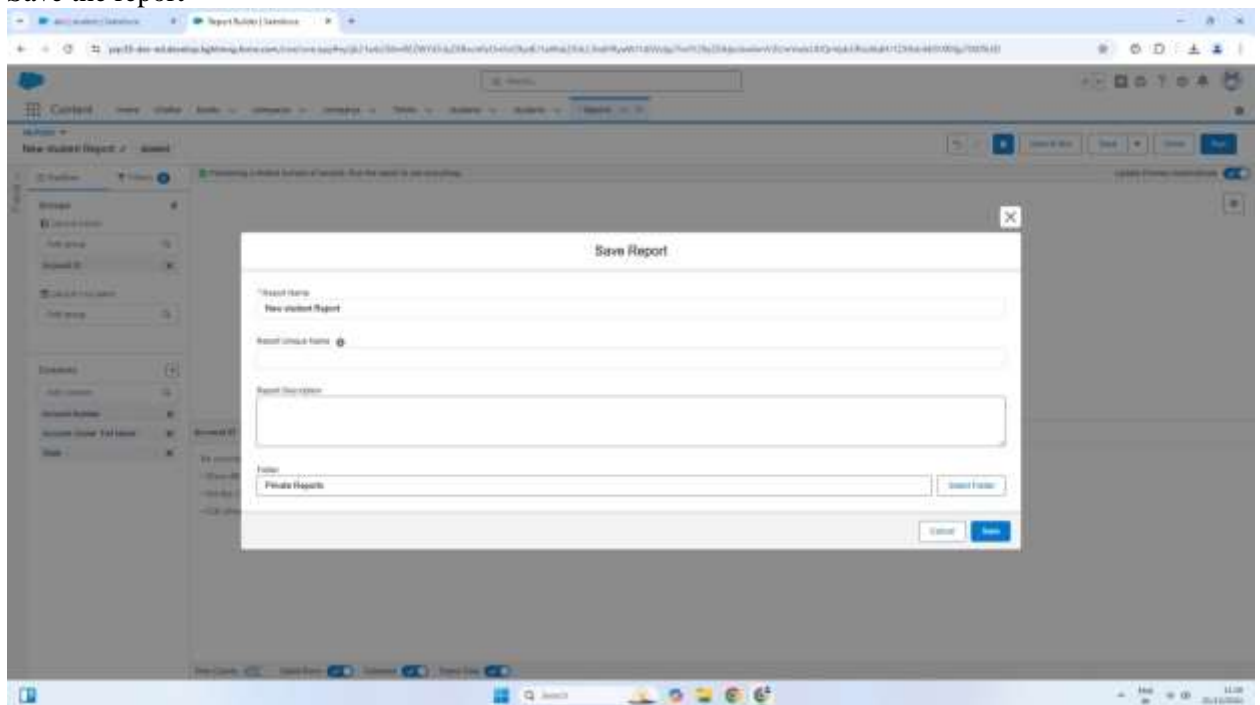
Click on custom report then click on start report



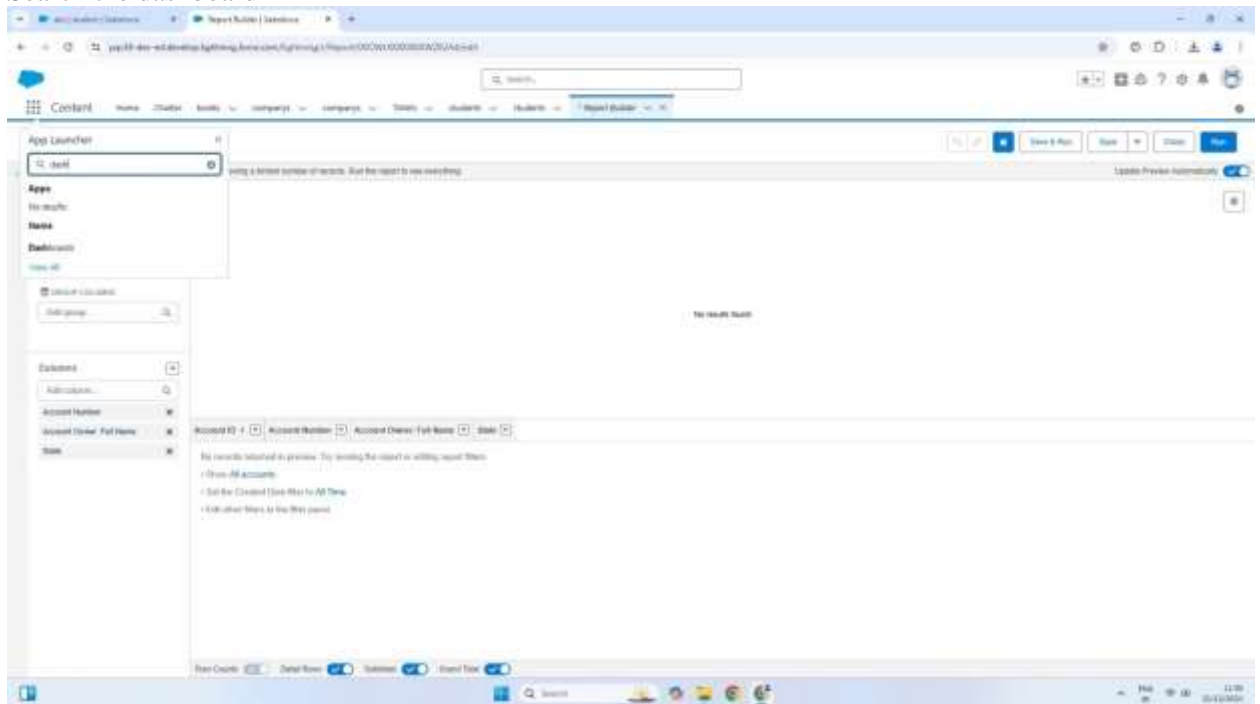
Then click on group row and columns and add the row columns



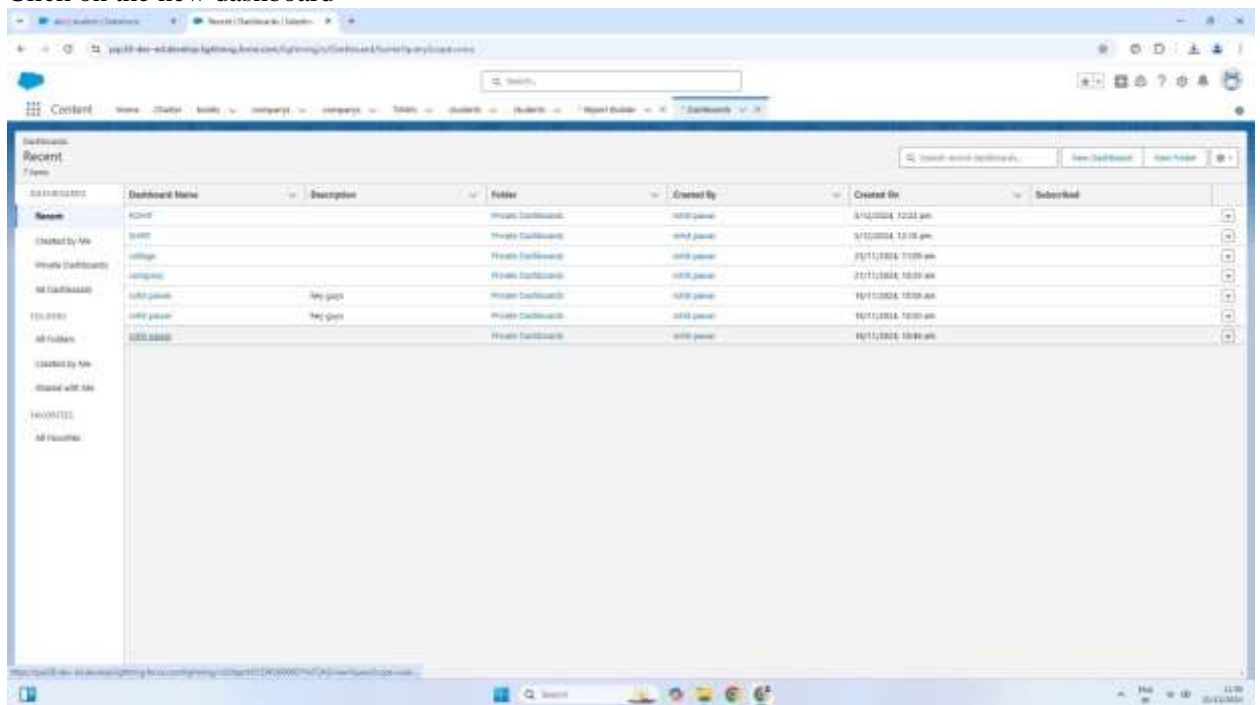
Save the report



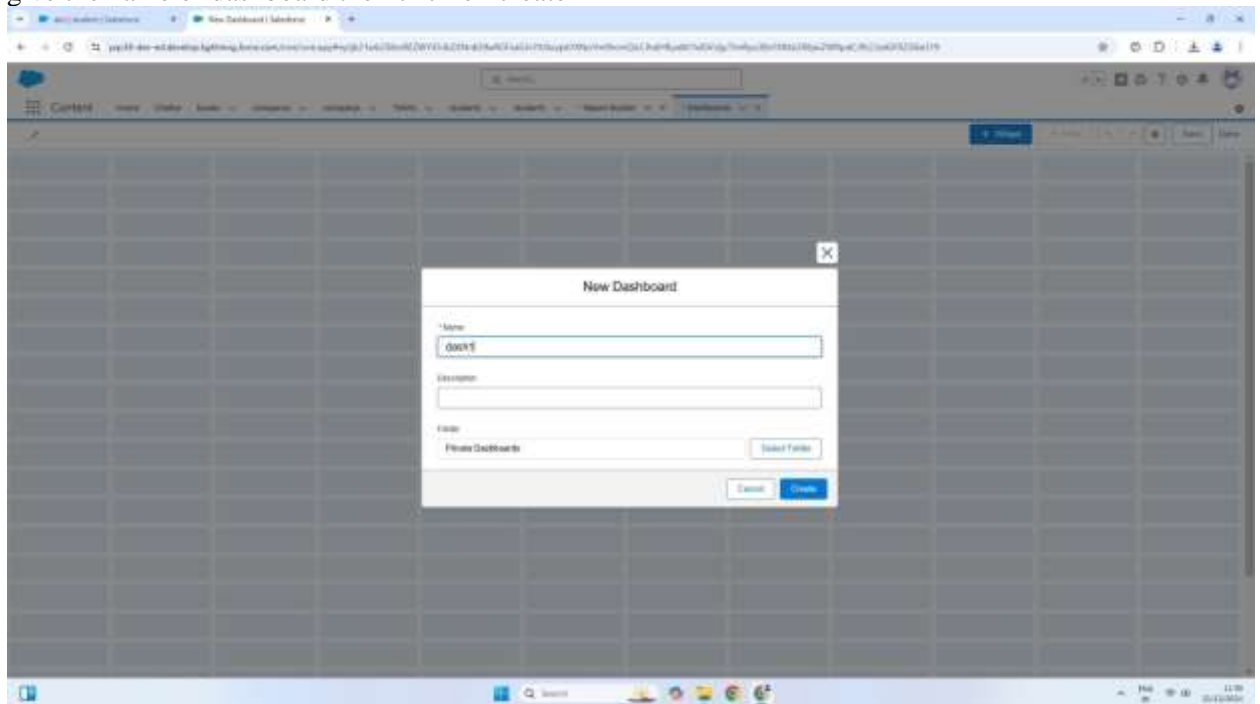
## Search the dashboard



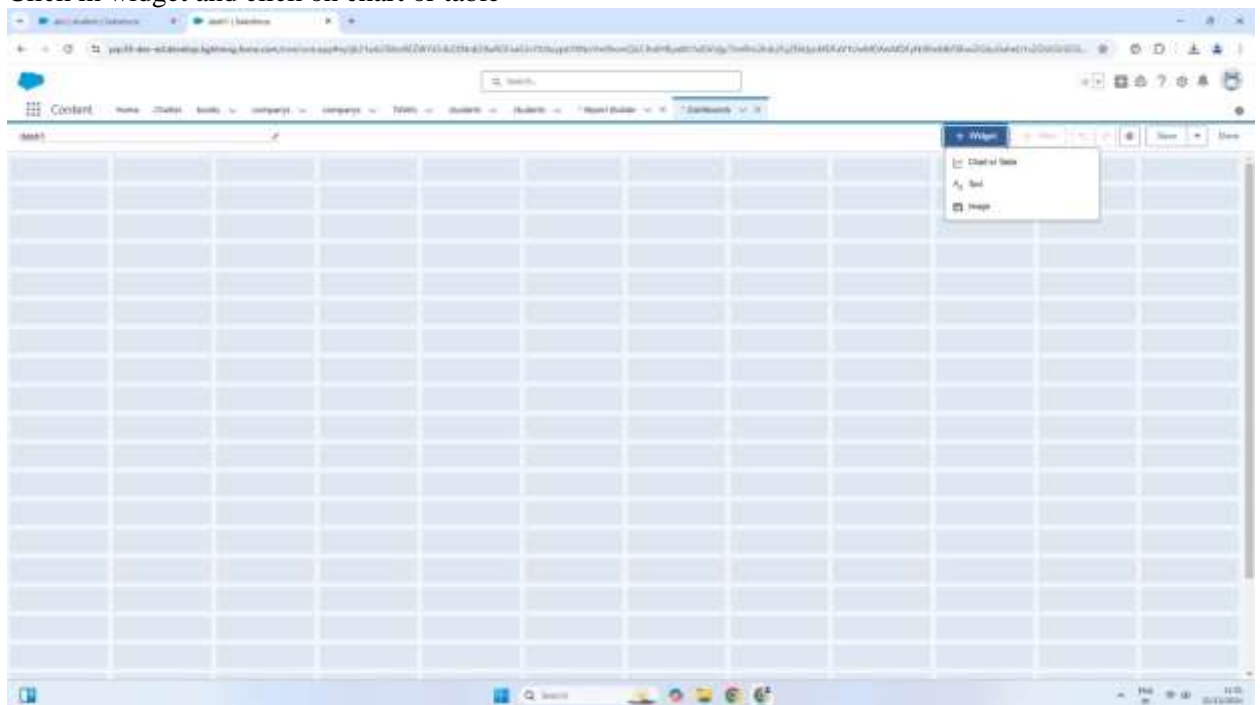
## Click on the new dashboard



give the name of dashboard then click on create



Click in widget and click on chart or table



Then select the custom report then add different chart types

